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symposia

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february, 1974





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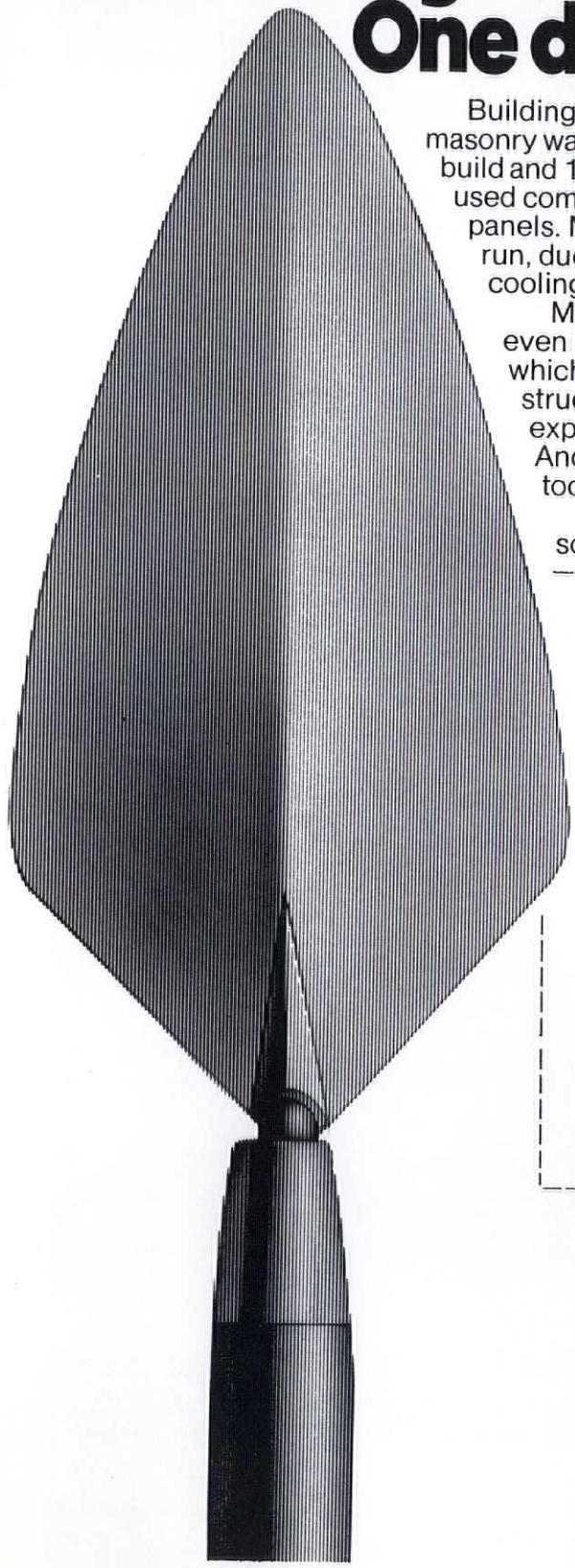
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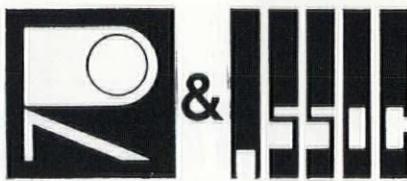
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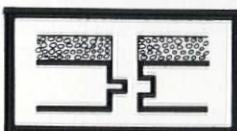
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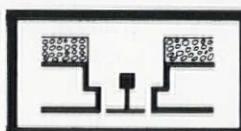


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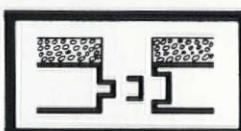
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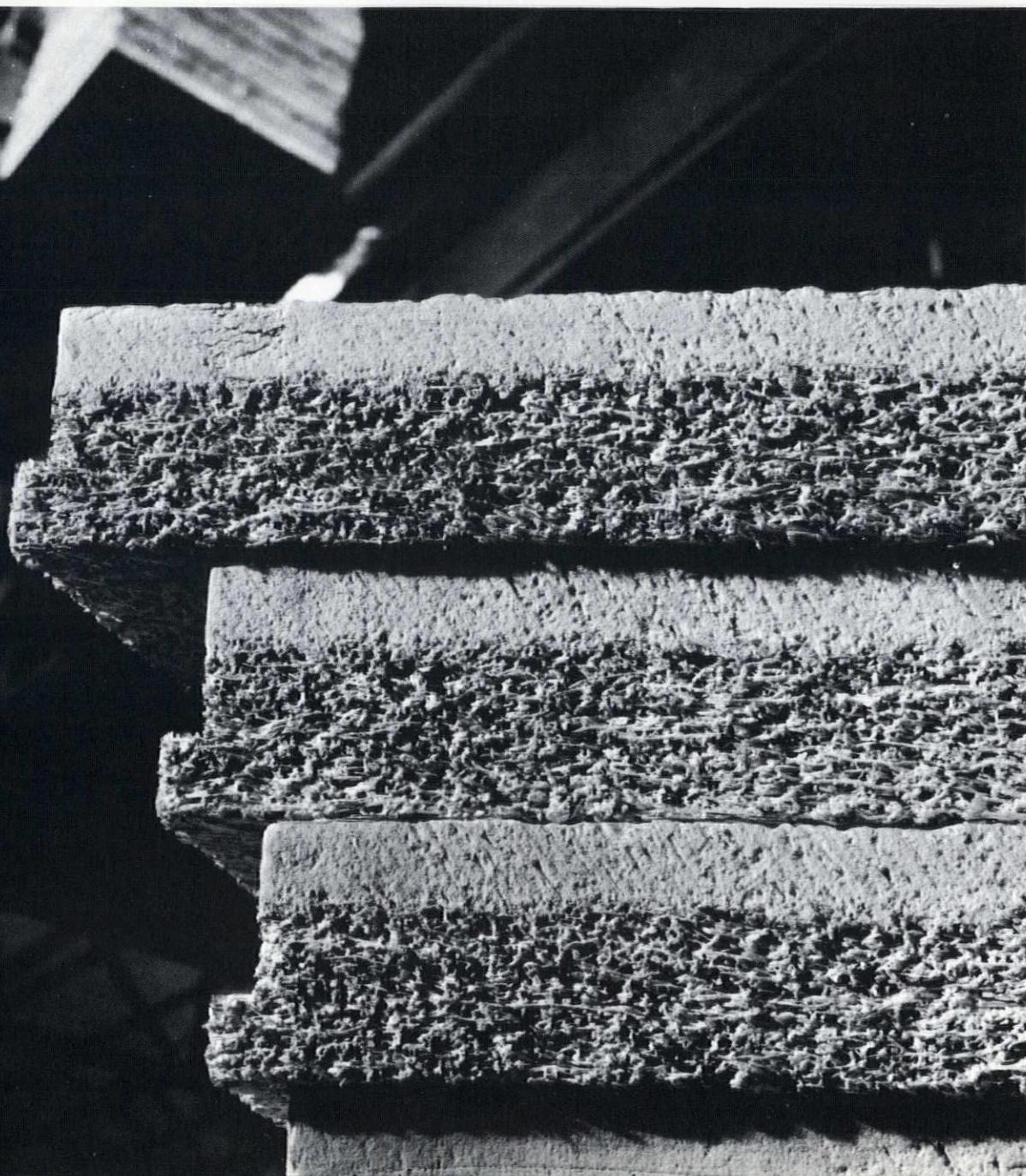
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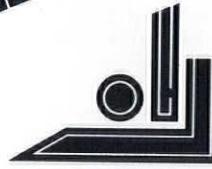
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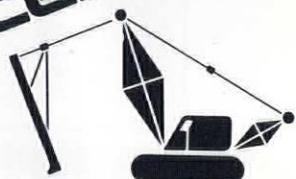
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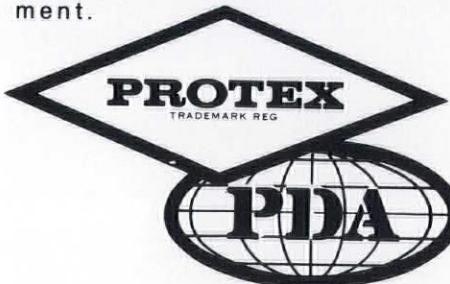
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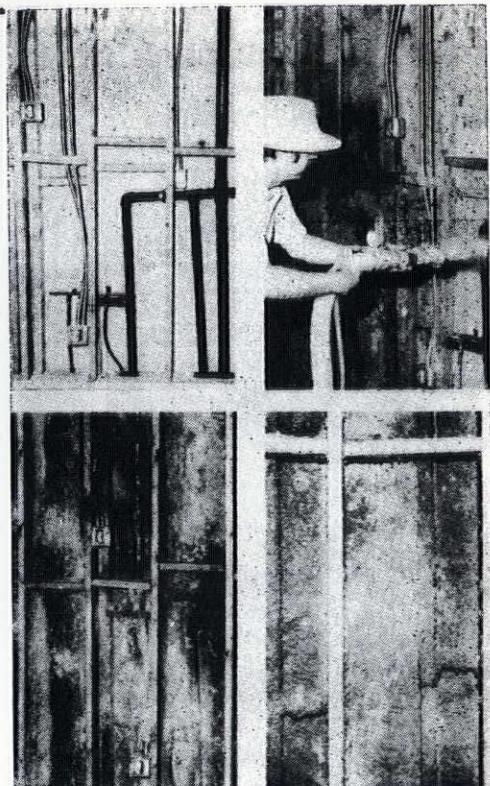
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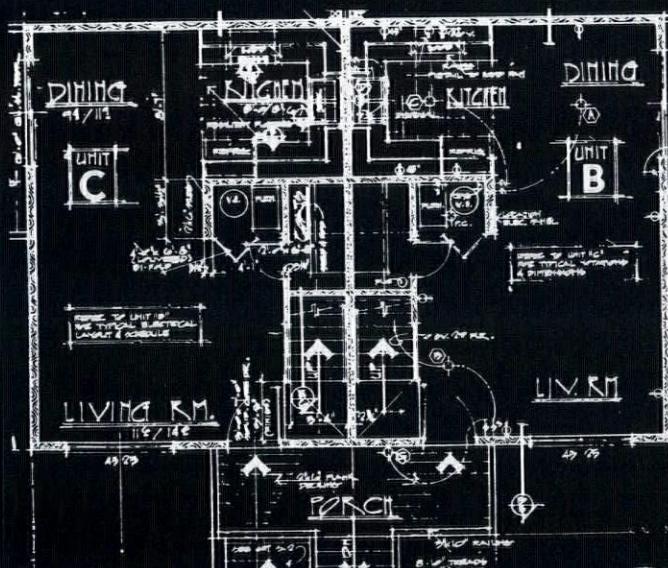
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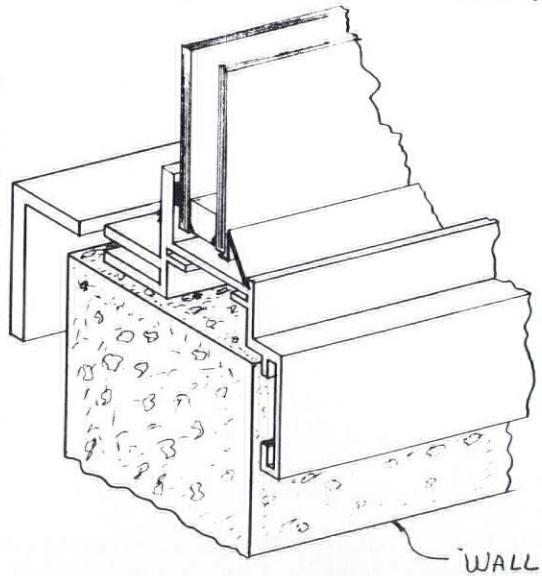
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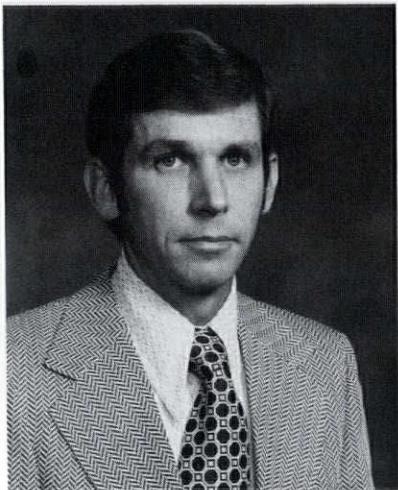
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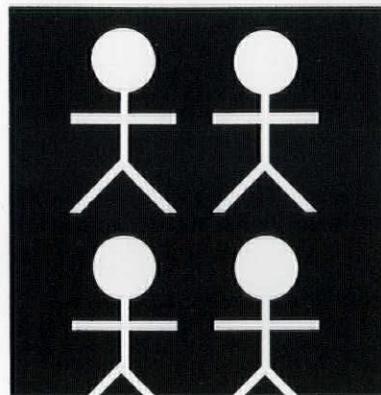
(A brief report honoring Professional and Industry members in our Symposia Region who have achieved some of the "good things in life" in the past few weeks.)



UP WITH MCCOY!

Down in Albuquerque . . . the real McCoy is David M., manager of the New Mexico Building Branch/Associated General Contractors. He is also the new president of the Trade Association Executives of New Mexico — a post he assumed at their December 18 meeting at the Hilton Inn. Dave succeeds Howard Cowper, executive director of the Restaurant, Hotel and Motel Associations of New Mexico . . . and Mr. C. will remain on the 1974 Board of Directors.

Other new officers for 1974 elected by the TAE are Walter U. Williams, executive vice president of the Albuquerque Board of Realtors, vice president; and J. O. Larson, managing director of the New Mexico Motor Carriers' Association, secretary - treasurer. Directors for 1974 are W. Howard Parsons, Building Contractors Association of New Mexico; Harold J. Weiler, Association of Commerce and Industry; Joe Palmer, League of Insured Savings and Loan Associations; James L. LaCombe, New Mexico Hospital Association; and Gary F. Thomason, New Mexico Society of Professional Engineers.



The Trade Association Executives is an organization designed to provide a common ground where executives of associations can discuss mutual problems and work together toward common goals.

McCoy has managed the New Mexico Building Branch, AGC, for the past four years. This association is made up of over 220 member firms, including general contractors, specialty contractors, and suppliers in the industrial and commercial building field.

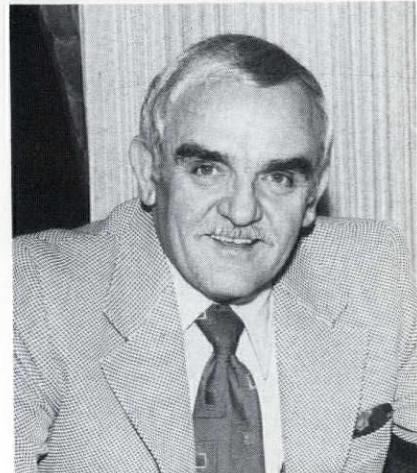
McCoy has been with the AGC 11 years. He started in 1962 with the Nevada AGC chapter in Reno. He came to New Mexico in 1969 and helped earn for the building branch the Cashman Trophy in 1971. This award is presented by the National AGC to the chapter showing the greatest membership increase in one year.

David is a member of the New Mexico Advisory Council for the American Arbitration Association; the American Society of Association Executives; and the Advisory Board for Construction Occupation for the Albuquerque Public Schools. He is also a member of Temple Lodge No. 6, Ancient, Free, and Accepted Masons; and the Benevolent and Paternal Order of the Elk, No. 461. He and his wife, Caryl, reside in Albuquerque and are the parents of two children, Gwen, 11, and Jill, 7.

UP WITH "MERRY" MARY!

Kudos to Mary Chapman Smith, the "Merry Secretary" of the Central Arizona Chapter of the American Institute

of Architects. Mary has been appointed to the National Executive Committee of the Council of Architectural Component Executives (CACE) for the year, 1974. CACE's Executive Committee of six guides the affairs and coordinates programs for all state and chapter AIA Executive Secretaries throughout the U. S. of A. This group couldn't have picked a more efficient or a nicer gal for the job than Mary — she runs a tight ship, and a happy one, in Phoenix AyZee.



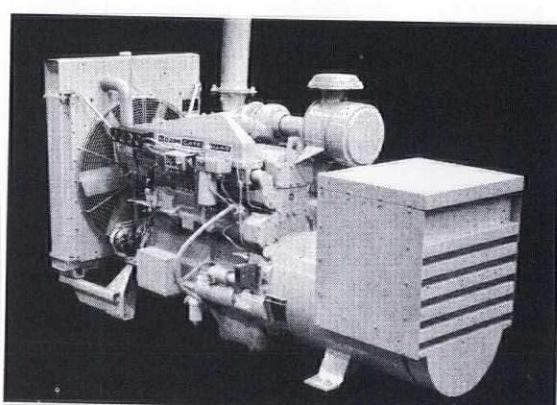
UP WITH DOTY!

Congrats are in order for Del Doty, Vice President of the Pikes Peak Chapter of the Construction Specifications Institute. Del has been named to the position of Director of Planning and Design by Robert K. Willis, President of The Terrawest Company. He'll be responsible for the development of site planning and all architectural design for Terrawest, a firm specializing in the design and construction of commercial projects in the Colorado Springs and Denver areas.

Del is a long-time active resident of Colorado Springs and brings to his position with Terrawest a solid, diversified construction and design background, having been a principal in his own contracting and home building firm. He has won national recognition for his designs and has been featured in a number of national publications. Del and his wife, Charlotte, were "among those present" at the 1973 CSI Grand National, and we'll look forward to seeing him soon when we take that "Spring Break" and head for sunny Tucson come March.

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"I Will Fight No More—Forever"

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FADE AWAY, OLD FELLAHS

A good number of years ago the *Architectural Record* had a "Western Section" in each of its issues which featured projects and news of the Far West. Elisabeth Kendall Thompson, their Western editor, had in each "Western Section" an editorial written either by herself or by a Western architect. One month she gave me the opportunity to vent my spleen, and considering that I was at that time a neophyte architect, my topic was the elder architect's professional responsibility to the young architect.

At that point in my career, it disturbed me that the veteran architect's attitude towards the beginner was "find out the hard way he had in the school of hard knocks." As a result the same errors and omissions that he had experienced in years past were repeated by the inexperienced associate. The old veteran sort of waited on the sidelines for the youngster to stub his toe, and then he could prance out on to the field and show the crowd that there was no substitute for experience. However, it also demonstrated to the public that the architectural profession was a pretty weak sister, and it has been documented in the spiralling rates of liability insurance. The table is now turned, and I can, if I so desire, sit back as a weathered old fellah and watch the youngsters fumble and stumble around the battleground.

At about the same period in my career, I had a firm belief that eventually as some of the old timers died off, some of whom had ridden in on the Granddaddy clause of licensing, and as more educated and better trained young architects came up, through tough registration exams, all the profession's ethical problems would disappear. I couldn't have been so wrong, because over the years I've discovered that some of those dirty old men were angels in contrast to

some jet jobs I've seen spiral to professional heights—and a good number have flamed out through the process of dissolved partnerships, license suspensions and law suits.

Over the years, I've been most fortunate to have known and worked with some skilled veterans. In some cases it was a matter of recording what not to do in the same situation in one's own practice, but in general I gained a lot of know-how from a few old men. This past November one of these elder statesmen, Herman Brookman, passed on, leaving behind a legacy of beautifully designed buildings. To me, Herman was the prime example that it little matters where one is educated, if you've got the ability and determination—each of which he had an overabundance. Considering that he lacked any formal education, and that he obtained his training by apprenticing in a New York architectural office, his standards of design and practice were exceptional for his time and moment in the Northwest architectural profession. He had far more influence in the design profession than many better known architects would ever admit. His early residences were the forerunners of a style later labeled the Oregon wood barn house. His roof shapes, his sensitive detailing and understanding of wood established a design trend in Portland which had considerable influence on the later works of Wade Pipes, John Yeon and Pietro Belluschi.

Herman would have been the first to admit that he was difficult, and that he was; and many former clients and fellow architects will maintain he was impossible. Along with all his talent, he had his own standards of practice which in each instance were considerably beyond those of his profession. He refused to go along with the boys, and, as a consequence, he was wealthy only in his own sensitivity and his personal life. He had a tremendous ego, and fortunately he was blessed with a sympathetic and understanding wife who somewhat kept it under control. If Herman was self-assured, he had every reason to be, because he was a superb draftsman and truly a gifted artist. At the age of sixty-five he demonstrated to my crew of lads that he was a better draftsman than they ever could or would be, and at the time so informed them of the fact.

What is tragic to me is that such an exceptional member of my profession should have to quietly fade away into oblivion in the last years of his life. During his last twenty years, Herman was compelled to work by himself at home, executing the crumbs tossed to him by former clients and architect friends. During his last few years he vanished into retirement down in Marin County to be near his son, where he never again picked up a pencil or a pastel—neglected by and isolated from his profession. His profession became his religion, and he left his synagogue, never to return, because he refused to bow to the Rabbi's expansion plans of his masterpiece, Temple Beth Israel.

I challenge all of you young bucks to follow the lofty and precipitous footsteps of Herman Brookman—only the truly dedicated can surmount such a lonely and Spartan trail.

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Another View of the Energy Crisis or Take Two Aspirin and Call Me in the Morning!

As we go to press, our legislators are packing their "old kit bags" and heading for that Big Clinic on the Potomac where Phase II of their 92nd operation on the Body Politic is scheduled to begin on 21 January. As they assemble, nostrums and scalpels at the ready, there is some apprehension on the part of the patient. Despite an array of symptoms, the Old Fellow is not quite convinced that his condition is mortal, and before they wheel him off to the Operating Room - he wants a consultation!

We have long known America as the Land of Opportunity. Certainly, few places offer the scope to practice "Brain Surgery - Self Taught" as the bureaucratic cubby holes and the hallowed halls of our Nation's Capitol. This is not, we would submit, a medical problem which can be solved by somebody with a nice, bed side manner.

Where in hell are the Specialists?

Right Here, Boss!

(We quote in this article a letter written to a colleague by Robert J. Rice - principal in the Mechanical-Engineering firm of Rice, Marek, Harral and Holtz, Inc. and copied to us. Bob is Vice Chairman of the Energy Committee of the American Consulting Engineers Council and testified before the Subcommittee on Energy/Committee on Public Works/U.S. House of Representatives on 11 December regarding H.R. 11714, one of the many pending "energy" bills to come before the Congress. Writes Engineer Rice: -)

"Since the consulting engineers, along with their technical societies influence the use of 50% of all energy consumed by our entire nation, it is important for us, the consulting engineers, to let the political sector know the following:

1 . . . that we are experts and authorities in energy use in our

industry. In the mechanical and electrical consultants' everyday practice, he works solely with energy related designs. His basic practice deals with energy problems directly related to heating, ventilation, air conditioning, refrigeration, lighting, industrial processing, electric distribution, and domestic hot water and power.

The consulting engineer helps support many energy related technical societies such as, ASHRAE, Institute of Electrical and Electronic Engineers (IEEE), etc. ASHRAE has been developing basic energy design criteria since 1894. This society alone, through private funding has developed four very large volumes (ASHRAE Guides) completely filled with design criteria specifically dealing with energy matters.

2 . . . that Federal Codes and Standards are not needed and would be in fact detrimental to the intended purpose for which they are derived.

A consulting engineer by virtue of his training and experience has adequate guidance. He does not need a set of standards and codes. He can apply existing basic technical information and, in a practical workable way, solve any energy problem which exists within his industry. We, in the consulting field, should discourage in every way possible, the creation of establishing a set of Federal Standards and Codes except as a very last resort. Even then, they should be created as guidelines and not as standards and codes. After all, we are the ones that should know what the need is as we are the ones upon whose shoulders the responsibility of energy conservation falls. We are the ones who will actually have to implement and put into effect whatever might be legislated. No one else will do this. It is only the consulting engineer who ultimately puts energy conservation techniques into actual practice.

I do not believe the political sector knows that any responsible engineer in private practice has the ability to develop his own standards and codes without the help of his government.

3 . . . that a central data bank would allow the consulting engineer to include in his design, the latest techniques in energy conservation.

If the Federal Government really wants to be of help, the greatest assistance would be the creation of a national central data bank which would make available to consulting engineers, and other interested parties, the latest energy conservation techniques and technical data. This would be a single library maintaining all technical data pertaining to energy conservation as related to our Industry. This information is not now readily available to engineers, public works people, architects, building managers, etc. The consulting engineer, who would utilize the information most has to rely mainly on the information which he has been able to accumulate in his files during the years of his active practice.

Important research and development in areas dealing with energy conservation by our industry has been carried on since the late 1800's. Most technical data regarding techniques for realizing energy savings have already been developed. Basic technical data is now what is needed. Research has been performed by many groups and by many qualified manufacturers and individuals.

These programs exist in an uncoordinated, fractured, and scattered form. No one has ever gathered it together, summarized it, sorted it, categorized it, indexed it, reviewed it, analyzed it, and made it available in a readily useable and retrievable form. The main reason that this information has not been gathered however, is that there has not been sufficient interest simply

because energy has been so plentiful and so cheap!

In the past, the decision of whether to conserve energy has not been with the engineer, it has been the decision of the owner and his financial source. Because energy conservation features and techniques increase the cost of the initial construction, the owner has not usually chosen to spend the money.

With increased cost of energy and with new incentives to conserve energy being created, this will all change. The consulting engineer's client (the owner) will now be willing to spend the additional money it takes to conserve energy. Thus, it would be of great assistance to the consulting engineer if all basic (especially the latest basic) technical information were made readily available to him.

During the question and answer period after my statement before the Committee on public works, United States House of Representatives on HR 11714, Congressman Snyder took exception to the fact that I wanted the Federal Government to pay for gathering basic technical data which would be used primarily by the consulting engineer. He felt this should be part of the profession's responsibility and they should be obligated to gather this information on their own. He suggested consulting engineers should form their own corporation for this purpose and each time some information was retrieved a fee be charged. Under normal conditions I feel Congressman Snyder is right. We do not want the Federal Government involved with anything which is not absolutely necessary, but under existing circumstances, I feel the Federal Government should be involved. If it takes \$10 million to gather this information and the consulting engineers, by use of this information are able to eliminate a fraction of the estimated \$37 million per day waste in our industry, the payback of the \$10 million to our nation could almost be related to hours, not days, not weeks, not years. It would take at least two years for a private corporation to organize and to allow the consulting engineers to do this on their own. Possibly, after the

library has been established, it could be turned over to the Consultants and the profession could keep it current.

4 . . . that the local building officials need not go to the Federal Government for guidance regarding standards and codes.

The local building official, through his organization titled, "National Conference of States' Building Codes and Standards" has requested the National Bureau of Standards to help them come up with some uniform building codes and standards. We, of the engineering fraternity, have fallen down here. Why should these people be going to the Federal Government for help and guidance when they have qualified experts right in their own backyard... experts who know local conditions, local climatic problems, local equipment supply and maintenance problems, and local energy availability and sources. These people, going to the Federal Government, should be an insult to all of us and this problem should obtain the highest priority to receive our attention.

5 . . . that all efforts toward energy conservation in our industry are in vain, unless our client, the owner, is motivated.

To really achieve energy conservation, it would be better for the Federal Government to assist in establishing incentives and let codes and standards take care of themselves. The owner **needs** incentives for him to utilize energy more conservatively and for him to have his consulting engineer include energy conservation techniques in the design of his buildings. These incentives could take many forms such as a change in utility rate structures, tax incentives, incentives for the financial agencies to lend the additional monies required, and in a dire crisis, even rationing.

I do not believe it is the Federal Government's concern as to how the consulting engineer, the architect, or the owner's management achieve energy conservation as long as the energy conservation goals of the nation are being met. The general techniques of energy conservation are well known,

and establishing federal standard codes and guidelines will not help unless the client is motivated and is willing to spend the money. The A/E is already motivated and has always been to provide energy conservation design.

We need grass root committees to consider these items as well as many others and formulate recommendations. We need to do this **immediately** so our voices can be heard.

Things are happening fast in Washington and, if we are to have any input, we must move quickly. We should go to the national political scene first rather than worry about the local issues. We would be much more effective in winning our battle with this octopus if we hit directly at the head now, rather than attempting to fight it later by chipping away at its tentacles as we are now doing with O.S.H.A. It is time to move . . . so let's move rapidly.!

Mechanical/Electrical Consultant Bob Rice has laid it on the line! He has expressed what we have known all along that the "specialists" were not only waiting to be called into consultation, but ready to provide the know-how which can solve the "old fellows" sluggish circulation problems. There are a lot of vitamins in Mr. Rice's statements — and we do not need major surgery, transfusions or grafts to solve the "crunch." Copies of H.R. 11714 and Bob's statement to the sub-committee on the "Data Bank" are available by calling Symposia at (303) 422-4153 or addressing us at 4070 Estes Street in Wheat Ridge, Colorado 80033. Or you may address your requests to Robert J. Rice at Rice, Marek, Harral and Holtz, Inc., P. O. Box 12037 in Denver — 80212 or telephone 303/420-4455.

It is no longer a question of "Take Two Aspirin and Call Me in the Morning" — the construction community must speak now — and forcefully — if we are not to be burdened with ill-considered and immature legislation at every level of government. If you haven't time to write a letter — send this statement to your nearest legislator. Holler now — or moan later!

1974 Scholarship Awards

The Educational Fund of the Colorado Society of Architects, A.I.A., and the College of Environmental Design are pleased to announce the availability of the following scholarship awards for 1974. The **Arthur A. Fisher and Florence G. Fisher Traveling Scholarship I** in the amount of \$1800, and the **Arthur A. Fisher and Florence G. Fisher Traveling Scholarship II** in the amount of \$1200. Eligible applicants are graduates in architecture or environmental design who will have received their degrees by September 1974, architects licensed in the State of Colorado, or faculty members in the College of Environmental Design. Proposals must include a project statement, plan of procedure, expected accomplishment, itinerary with approximate dates, and a tentative budget. Each recipient must have an advisor who will provide a letter of consent, and a follow-up report will be required. The **Robert K. Fuller Scholarship for Graduate Study** for 1974 in the amount of \$1500 is available to a graduate in architecture or environmental design receiving a degree by September 1974 (first preference will be given to a C.U. graduate), a faculty member of the C.U. College of Environmental Design, a licensed architect in the State of Colorado, or a graduate architect residing in the State of Colorado. The application must include a statement of intent to enter graduate study the summer or fall immediately following granting award, status of admission to the institution to be attended, a general description of the content and direction of the graduate program, proposed budget, and letters of recommendation from professional colleagues. Additional information concerning the criteria for granting these awards may be obtained by telephoning the office of the College of Environmental Design in Boulder, 443-2211, ext. 7711. All applications, including letters of recommendation, should be sent to the Scholarship Committee, College of

Environmental Design, University of Colorado 80302, to be received not later than March 1, 1974 (faculty and non-C.U. graduate applications will be forwarded directly to Board of Directors, C.S.A.-A.I.A. Educational Fund). Announcement of these scholarship awards will be at the annual awards dinner in late April.

David L. Paulson
Professor of Architecture
for the Scholarship Committee

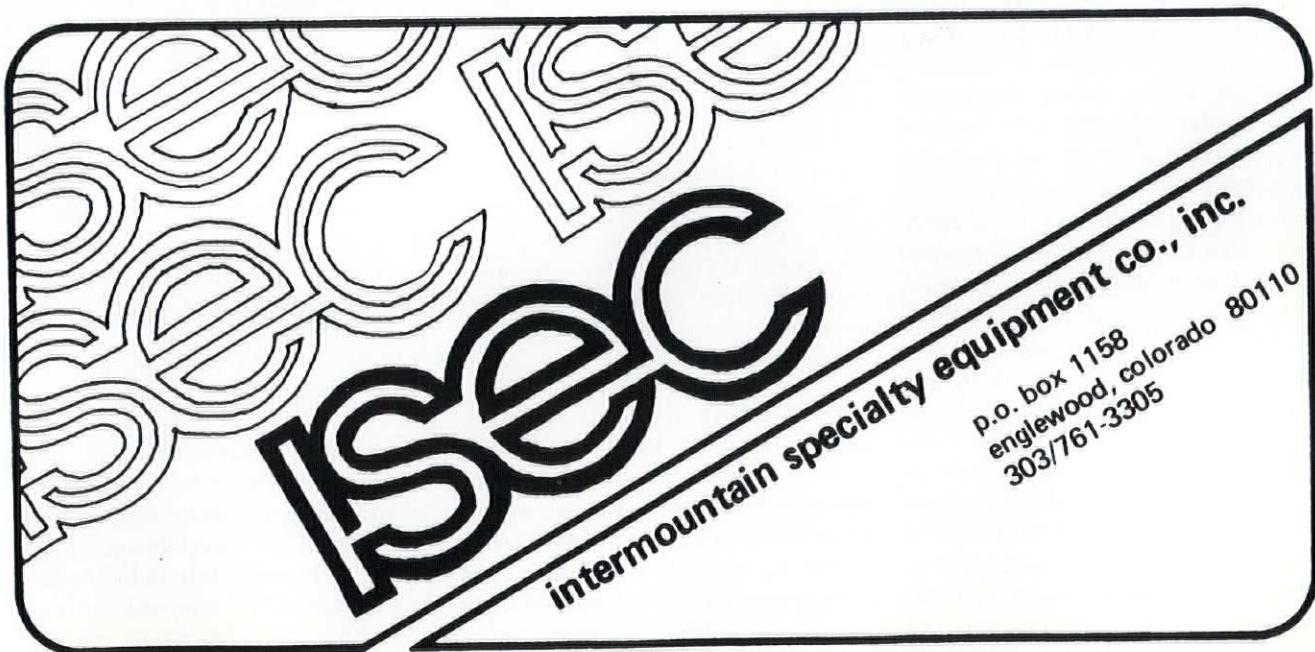
Basketball Sets New, Higher Criteria

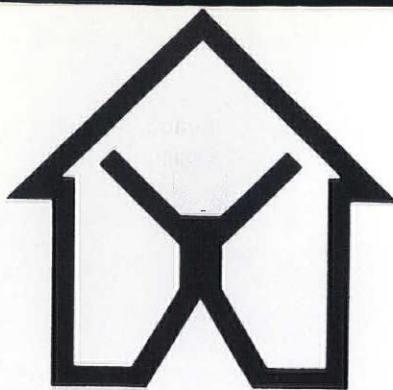
(Our appreciation goes to Sim Slater (Slater/Paul, Architects, Denver) for sharing this chuckle with us—and with our readers.)

The athletic "boys in the back room" in Denver's architectural offices are very sports-minded. They have through the years formed teams to play soft-ball, touch football and, of course, basketball... competing with other architectural firms for the honor and glory of it all. This past season, the Slater-Paul Five were doing exceptionally well, thanks to a tall and talented draftsman who had played the game in college. Weary of lopsided scores... the following advertisement appeared in the Help Wanted columns of the Denver Post....

"ARCHITECT, temporary seasonal position available for young, skilled 6' 6" + college varsity basketball player. Minimal professional skills required (negotiable). No others need apply. Call Steve at Muchow Associates, 399-8551."

We cannot report whether Steve got any "takers" for his most generous offer, but the last we heard the S.P. Five were still sinking baskets in their brand new uniforms!





Portfolio 1

1974 Exhibition of School Architecture American Association of School Administrators

It is with great pleasure that we again showcase the educational facilities exhibited at the Annual Convention of the American Association of School Administrators. As always, the exhibit is held in Atlantic City and the 1974 dates are February 22-26. A joint effort of A.A.S.A. and the American Institute of Architects, the Jury includes four members from each organization. Criteria are for regular entries limited to instructional and administrative facilities for public, private and parochial schools at all levels including the 14th grade and for such

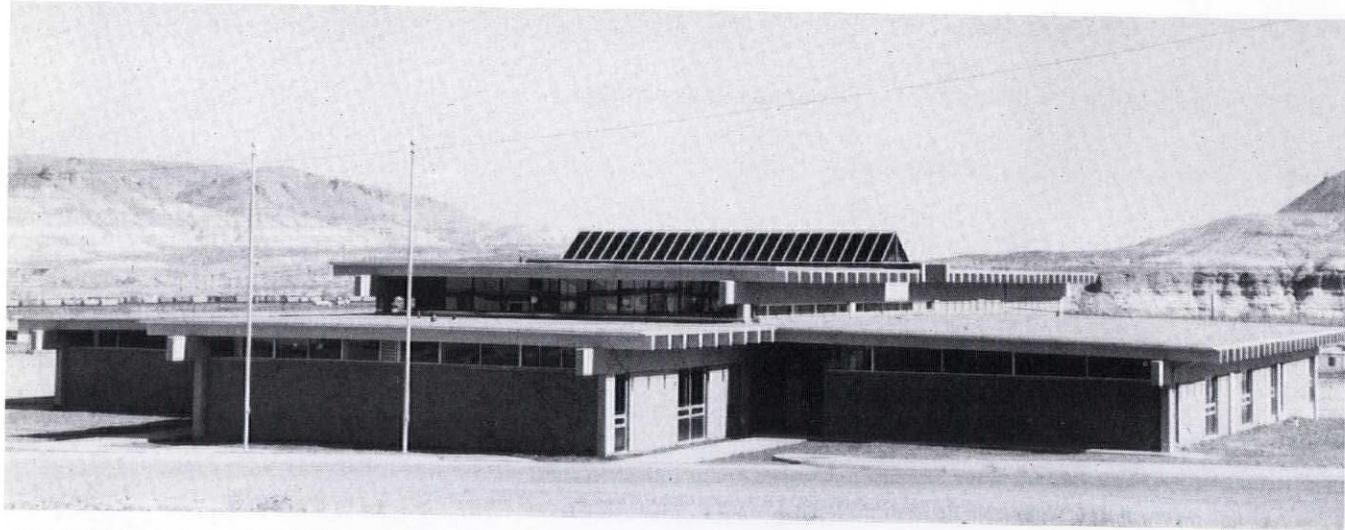
facilities as Colleges of Education. Renovations and additions are also eligible. Projects may be submitted by all registered architects (eligibility is not limited to A.I.A. members) or by landscape architects.

Certificates are issued to all entrants whose projects are selected for exhibition, citations are made, calling attention to outstanding features of individual projects, and for the second time around - two special awards will be made at the Convention. These are

the Shirley Cooper and Walter Taylor Awards granted to the two projects judged most outstanding for educational environment. These Awards honor the organizers of the Annual Exhibition - Shirley Cooper of AASA and Walter Taylor of AIA.

Because of the number of projects which come from Symposia country - our coverage takes two issues - February and March. So - look for more outstanding facilities (including a major award winner) next month.

Wilson Elementary School - Green River, Wyoming



Architect: Boyd A. Blackner, AIA, Salt Lake City, Utah

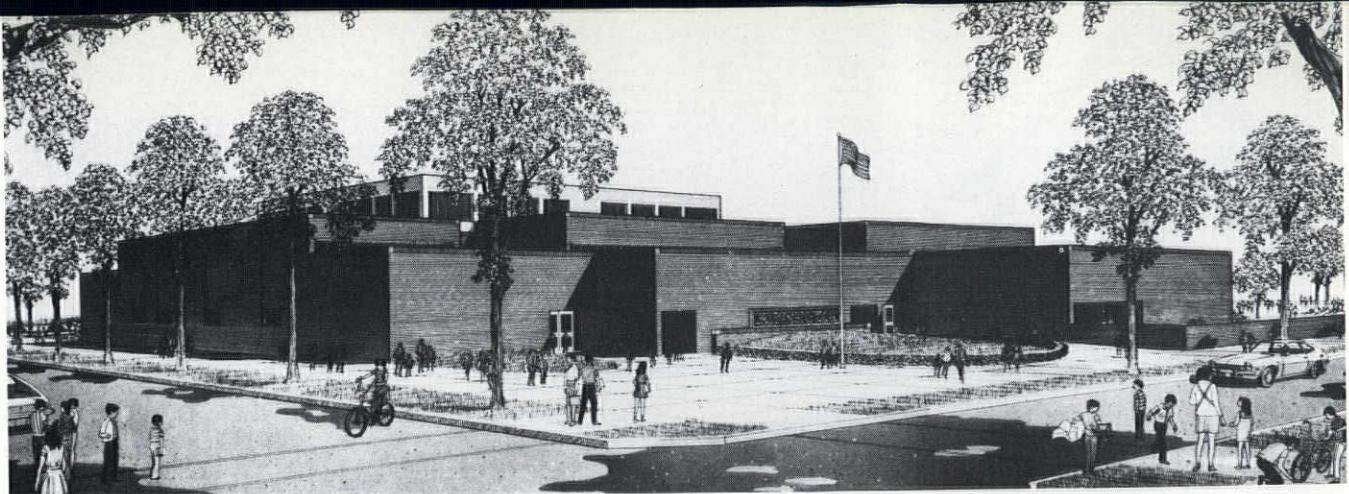
Superintendent: Sweetwater County School District No. 2, Dr. John V. Bernard

A central skylit student Commons or Concourse brings sunshine into the heart of this elementary facility (K-6) and the immediately adjacent Library/Media Center. The glassed in Library encourages student access and has a large gaily painted clock - the bright colors are used throughout to make the entire facility cheerful and friendly.

After tours and much soul searching, the Superintendent and School Board decided upon a traditional egg crate plan in which individual classrooms are separated and upper and lower grades segregated. The sloping site of 3.25 acres allowed a split level or lower level Multi-Purpose room reducing the profile above the adjacent roofs. The

program for the school was written by Dan Mortenson, elementary coordinator for the Sweetwater County School District No. 2. Engineering consultants were Newland Malmquist, Structural and Lee Larsen, Mechanical and Electrical. General Contractor was the Superior Lumber Company of Rock Springs.

The building is of entirely fireproof materials, concrete structural members, brick masonry walls with some glass panels and concrete block in utility areas. Except for the gym, the entire complex is carpeted. Built to house 300 students, provision was made for future expansion. Cost was \$25.60/sq. ft.



Wyman Elementary School - Denver, Colorado

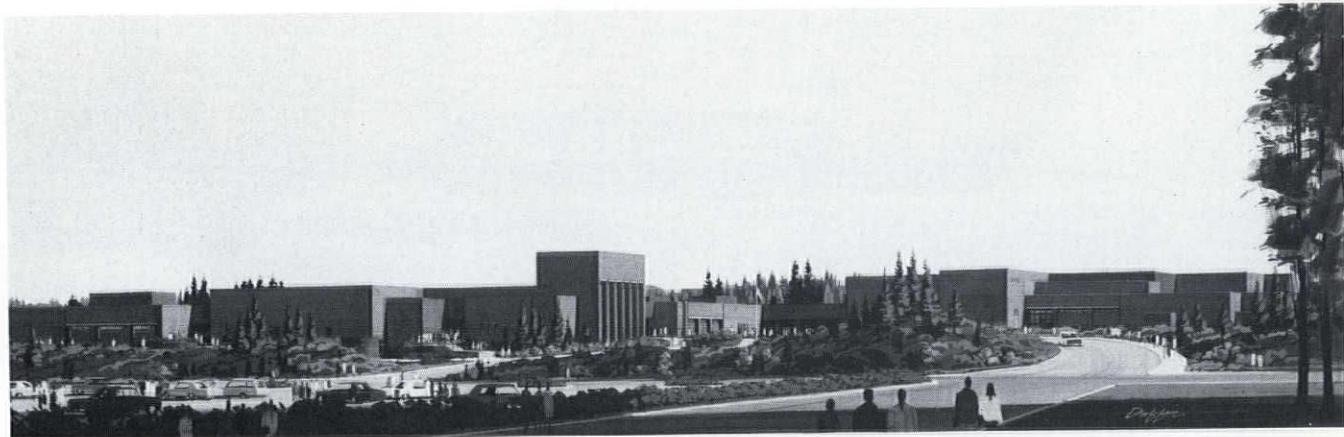
**Architects: Maxwell L. Saul and Associates, Denver
Superintendent, Denver Public Schools, Louis J. Kishkunas**

The limited site (one square city block) called for a two-story building with the IMC cutting diagonally through the two levels. This is the focal point for seasonal programs and activities, the carpeted steps providing the seating. The clerestory surrounds the open IMC allowing natural light to enter the middle of the plan and second level science and art rooms open to roof terraces for outdoor teaching and permits the keeping of animals and plants.

The original Wyman school was built in the late 1800's in a then fashionable residential neighborhood. The new school finds itself in an area in transition, near four major hospitals and several housing projects and just adjacent to the cen-

tral business district. Families are largely lower income and there is a mixture of racial and ethnic backgrounds making up the immediate neighborhood with the children walking to school from relatively short distances. The new school will have open class rooms with the possibility of receiving School District standard demountable partitions permitting the space to be divided. Located at the extreme north side of the site - (the old building located at the south will be demolished) and entrances, cafeteria and physical education rooms will open to the south side playground. Capacity of the new Wyman School is 570 students, early childhood through sixth grade, and square foot costs are \$37.70.

Henry Foss Senior High School - Tacoma, Washington



**Architects and Engineers: Seifert, Forbes and Berry - Tacoma, Washington
Superintendent, Tacoma School District No. 10, Dr. Angelo Giaudrone**

Two thousand high school students (10-12) in Tacoma are fortunate indeed to attend this school located on a 106 acre site within an existing comprehensive recreational and environmental preserve. A 12-acre lake surrounded by rolling natural woodland includes four baseball practice fields and a complete AAA baseball stadium. As stated by the school administration, "The program is designed in such a manner that it will be sensitive to the needs of the community and will make every effort to meet these needs. There will be an on-going interchange with the business and professional community through home visits, through in-

creased communication between parents and teachers and through the use of the community as a resource and classroom extension."

The building was designed to take advantage of a hilltop location through relating exterior masses with undulating hill forms. Individual instruction is centered within the IMC which provides a geographic core. An outdoor garden is part of the IMC although the whole area has an interior configuration. All teaching stations are located around the IMC Core to ease accessibility. The auditorium, swimming

pool and gymnasium are located so they maybe used by the community with minimum interference to the rest of the school. The program includes an open campus concept with students operating on a flexible scheduling program. All teaching spaces and most corridors are carpeted. Accent areas in corridors have decorative exposed concrete aggregate and aggregate surfaces extend to exterior courtyards and group areas. The General Contractor was Absher Construction of Puyallup and Photography is by William Smith of Tacoma.



Sunrise Elementary School - Puyallup, Washington

Architects/Engineers: Seifert, Forbes and Berry, Tacoma, Washington

Superintendent: Puyallup School District No. 3, Dr. Thomas Terjeson

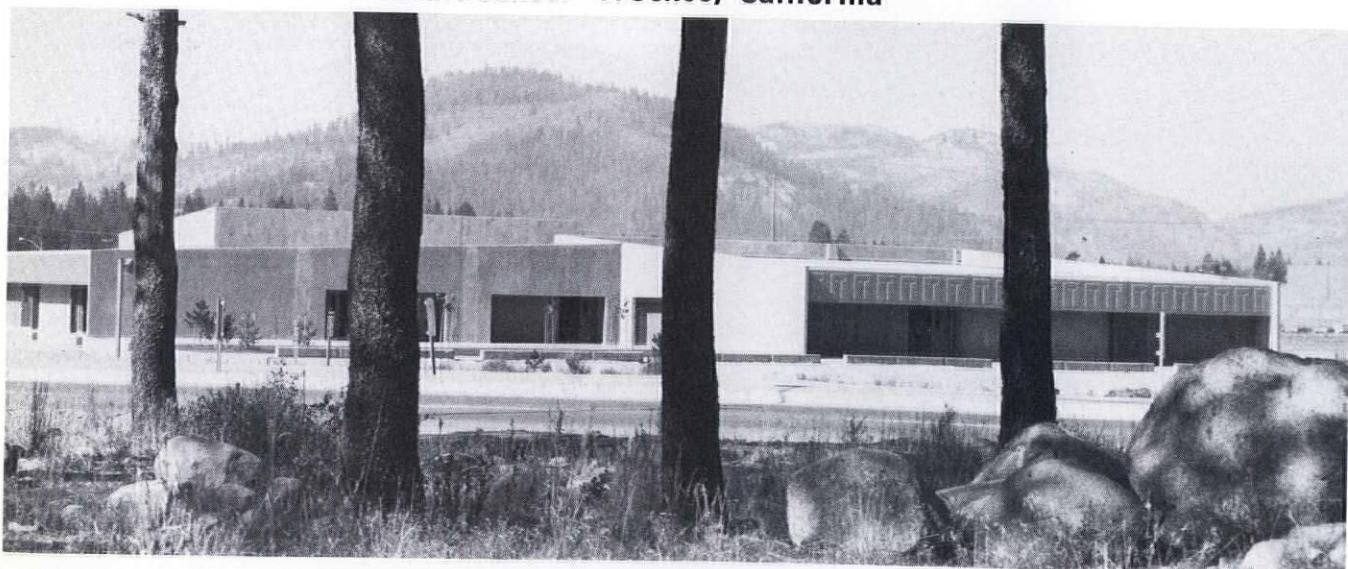
Because the 10-acre site was heavily wooded, it was felt desirable to maintain a buffer strip of wooded areas around the periphery. The school education program includes incorporating this outdoor laboratory with trails through the wooded areas... which provided for labeling of specific forest species, as well as outdoor classroom space. The IMC is centrally located and becomes the core for the entire learning center. All teaching spaces are arranged in clusters for individual teaching teams and are located around the IMC.

Construction includes brick veneer over frame walls with floors fully carpeted except for minor hard working areas of vinyl asbestos tile. Folding partitions are sound resistant and interior walls surfaces are plaster board.

The school is built to house 640 students - K-6 - and was built at a cost of \$26.00 per sq. ft. The General Contractor was The Kline Company of Auburn, Washington and William Smith of Tacoma is the Photographer.



Sierra Mountain Intermediate School - Truckee, California



Architects: Selden/Nespor Associates - Reno, Nevada

Superintendent, Tahoe Truckee Unified School District, Bruce Munro

This is the first phase of the new middle school (Grades 6-7-8) to be built in a district divided geographically by a range of mountains. The Sierra Valley school is located on a treeless seven acre parcel bounded on one side by the athletic fields of the existing high school. Since access is from the north, the building is oriented at a 45° angle to pick up maximum afternoon sun to hard courts, parking and entrance areas to increase melting of heavy winter snow. The school will now accommodate 400 with an ultimate population of twice that number.

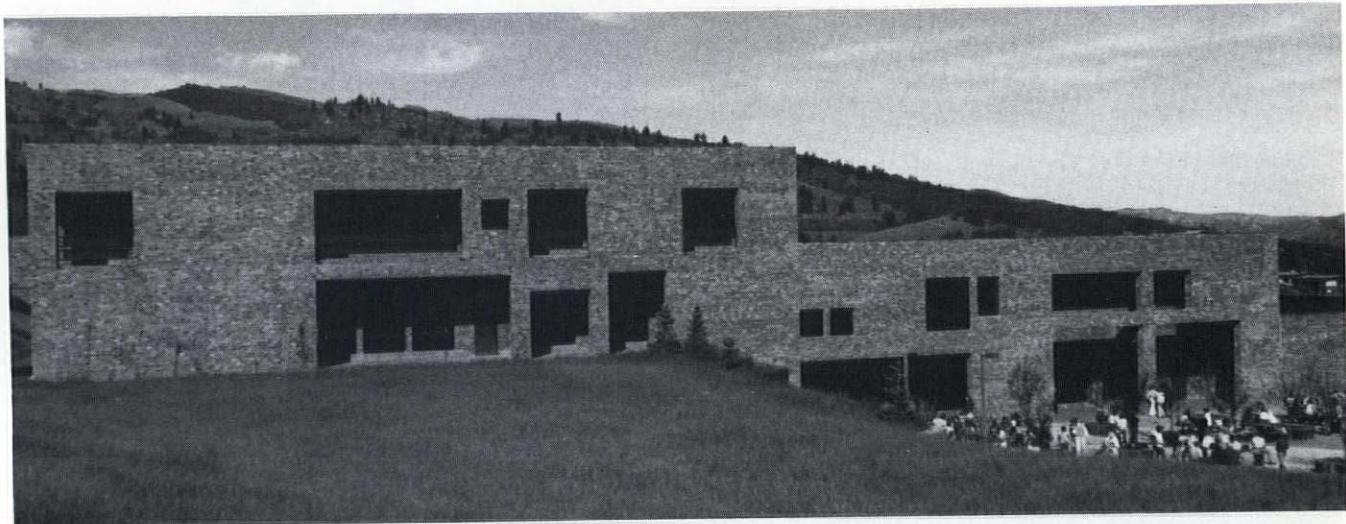
A "House" concept was developed - each of the four houses (two initial - two master-planned) contain 200 students... all activities revolve around a "house center" and

each contains its own satellite materials resource center, teacher prep areas and math/science center as well as teaching centers. The Unified Arts House, a new concept houses home arts, business tech, art and exploratory tech... all functions revolving around the center.

The plan was developed with the materials resource center as the "heart" of the school - all support facilities such as P. E., Administration, Dining, Music, etc. are included in the first phase. The second phase will expand the Materials Resource Center and add two new "houses".

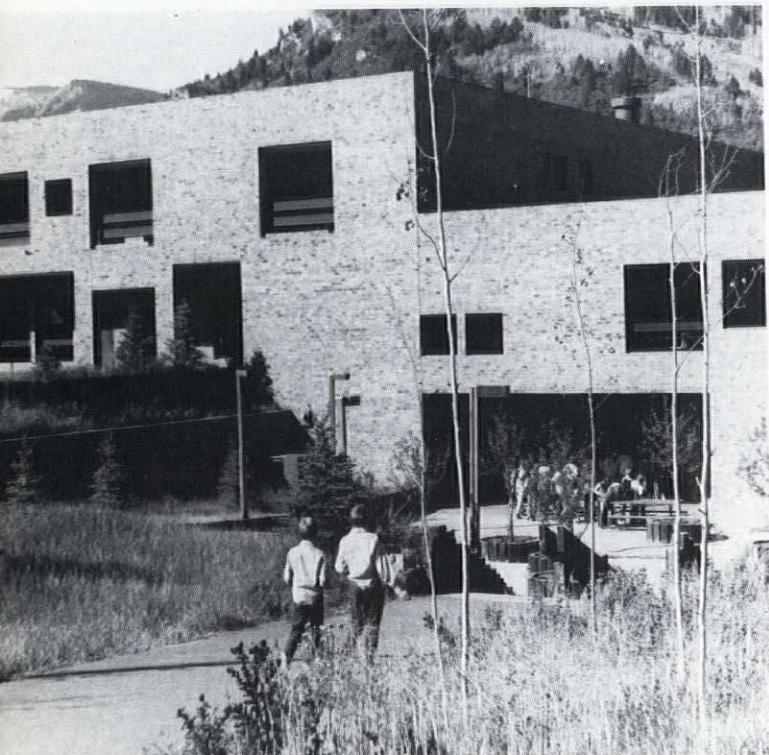
Photography is by Maurice Nespor and the General Contractor was Lathrop Construction of Emeryville, California.

Aspen Middle School - Aspen, Colorado



Architects: Caudill Associates, Aspen, Colorado

Superintendent: Richard W. Lee

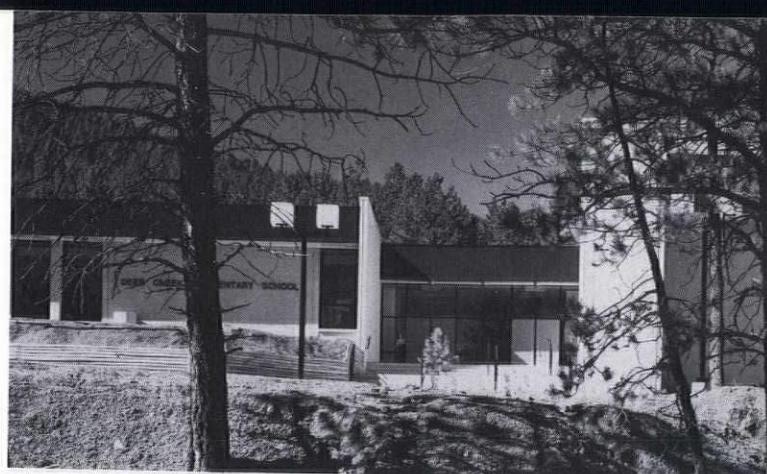


Middle schoolers (Grades 5-8) offer a challenge to educators and architects alike. The Caudill firm terms the curriculum a wisely filled Pandora's box and states that the plant must be a continuation of the themes of challenge, exploration and discovery. The Aspen Middle school is basically open plan with four large flexible academic lofts with storage rooms and teacher's planning room open onto each loft facilitating team teaching. A science lab and activities area separate the lofts on each of the academic floors and the first floor contains the nonacademic areas, gymnasium, arts and crafts, music and the student commons which serves as day-to-day lunchroom as well as the main meeting place.

The 27 acre site, a mile west of town is sloping meadowland surrounded by snow-capped mountains... together with an existing high school, the new middle school becomes part of a campus which includes other educational support structures. Visual control of the rather large building is obtained by stepping it into the slope and, symbolically up toward the high school. Straightforward, informal materials — the brick blending in color and texture with the surroundings and an interior of honed brick and carpeting in warm gray tones provide a neutral background for the wealth of color and activity of the students. Aspen is designed to accommodate 800 Middle-schoolers at a cost of \$26.08 per square foot.

Deer Creek Elementary School - Bailey, Colorado

**Architects: Bourn and Dulaney, AIA,
Englewood, Colorado**



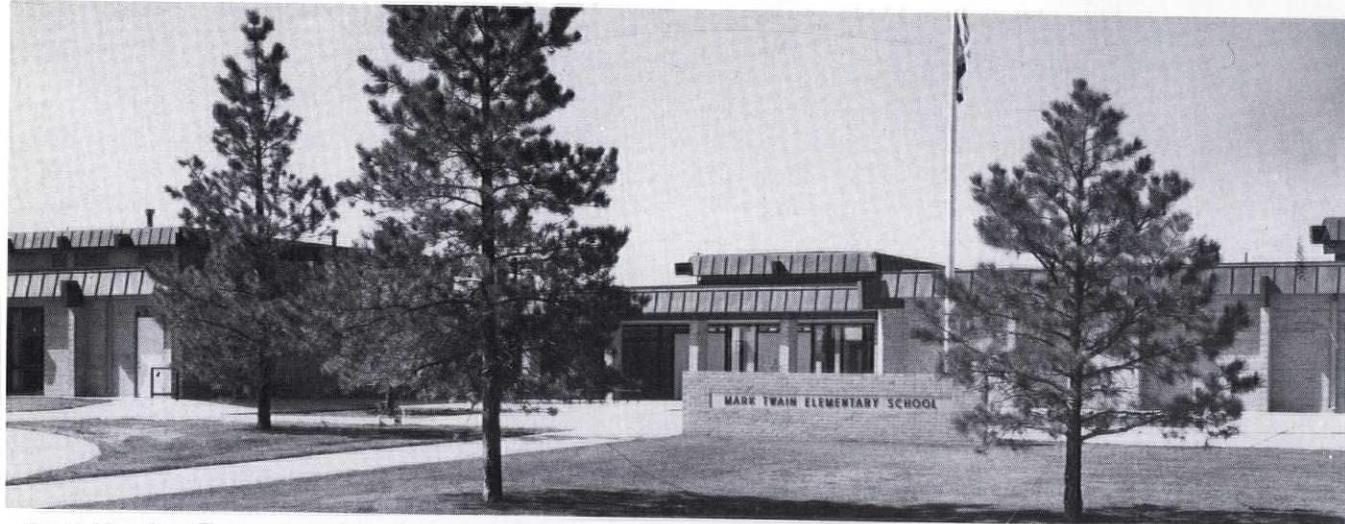
Superintendent, Park County School District No. 1, Frank Maher

Preservation of the natural landscape - a heavily wooded mountain slope was a principal concern to the architect. The entire site of 15.9 acres slopes to the east with approximately 110 feet of vertical drop... flat exterior play pads complicated the grading problem and the building was located for further expansion to the north. Water availability was a critical problem requiring an expensive distribution and storage system, and a sewage treatment facility further increased site development costs.

This is the school district's first open space school, and a strong requirement was to have the plan flexible to return to traditional classroom spaces if desired. Division into any sized self-contained classroom is possible with minimum

adjustments necessary to the mechanical and electrical systems. Initially, learning areas are separated by movable furniture and since team teaching is employed offices are provided for this planning effort. These spaces are located so visual control of the learning can take place while a planning effort is going on. A central instructional media center is accessible to all learning areas and, if and when a future addition is built, the administration, multi-purpose room and kitchen will be centrally located. In view of the special problems, the square foot cost of this school designed for 300 K-6 students at \$21.30 is very good indeed. The General Contractor was Bickel Construction Company of Denver, and Jerry R. Whitlock is the photographer.

Mark Twain Elementary School - Littleton, Colorado



Architects: Bourn and Dulaney, AIA, Englewood, Colorado

Superintendent, Arapahoe County School District No. 6, Kenneth P. Schoonover

The overriding requirement imposed by the program was the owner's option of providing both traditional methods as well as experimental philosophies within the spaces. Requirements included flexible teaching areas, staff offices, toilet facilities within units and separation of the kindergarten from the primary-intermediate areas. The Instructional Materials Center is accessible to all primary-intermediate students and available for community use without interference with other areas of the building.

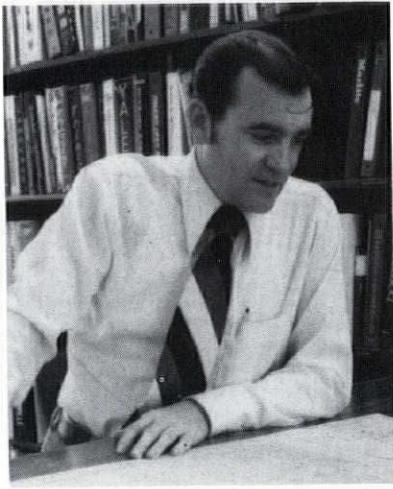
The small site (6.0 acres) is located in an area of upper-middle income residences and the quality of the building materials and the scale are in keeping with the environment.

The Bourn and Dulaney firm holds to the design philosophy that non-institutional-looking school facilities make the transition from home to school as easy as possible for the student encouraging a pleasant learning experience.

The topography of the site and drainage problems made it difficult to keep a building of this size on one level required by the sharing of much portable teaching equipment. This necessitated additional drainage grading and expensive structural floor systems founded on caisson and grade beams. The Mark Twain school is designed for 640 K-6 students and was built by General Contractor, I. P. Gregg at \$26.85 per sq. ft. (Photography: Jerry R. Whitlock)

a symposia feature

Take Me To Your Leader



Bill J. Waters, President
Albuquerque Chapter
American Institute of Architects

We are pleased indeed to welcome Bill to the ranks of the fearless as he takes over the top job for the Albuquerque Chapter this 1974. Born in Star City, Arkansas, he migrated to the Land of Enchantment in 1958 after receiving his Bachelor of Architecture from Oklahoma State University and serving a hitch with Uncle's Army Combat Engineers.

He established practice in 1967 and the following year formed a partnership with Joe Long, AIA/CSI. Bill serves as President and Chairman of the Board for the firm, Long and Waters, Architects-Engineers-Planners, P.A. An active and enthusiastic member of the Albuquerque Construction community, Bill has served the AIA Chapter as both Secretary and Vice President before becoming "head man" this year.

Bill and his wife, Patty, are the parents of two sons; Paul, fourteen and Steven who is twelve. We think we should also note that Bill and his partner, Joe Long, not only make a great architectural team, but these fellas are sudden death on the golf course. Believe me, Nicklaus, they come to play.

In the year ahead, Bill will be ably aided and abetted by Eugene Hunt, Vice President-President Elect; Joe Long, Treasurer and Loren Mastin as Secretary. Channel Graham is a Director; and immediate past presidents Jess Holmes and Bob Campbell will serve as Delegates to the New Mexico Society. All best, Bill, for a great year in the City of the Dons.



Andrew Wheeler, President
Portland Chapter
American Institute of Architects

The booming, active Portland Chapter has elected and duly installed their new 1974 leader—the most personable Andrew Wheeler who is Chief Designer for the firm of Newberry and Schuette and Associates, Architects/Planners. Other officers include John Schleuning, Vice-President; Alan Beard, Treasurer, and Alfred Staehli as Secretary. The Board of Directors includes Max Bolte, Ray Boucher, Tedd Chilless and Marjorie Wintermute. And, of course, Neil Farnham will be on hand as last year's President.

A native of Portland, Mr. Wheeler attended Yale University . . . Bachelor's in 1953—Master/Architecture in 1959. He spent two years in Uncle's Field Artillery in the Land of the Morning Calm (i.e.: Korea) and has since his return to his home territory been most active in A.I.A. affairs. He is a Past Chairman of the Urban Design Committee for the Portland Chapter, ditto for the Committee to promote an Architectural School for Portland State University . . . and has served as both Secretary and Vice President for the Portland Chapter.

A member of the Citizen's Advisory Committee, Washington State Plan and the Fruit and Flower Day Nursery Board, Andrew Wheeler's family includes Wife Julie and three children . . . Anne, 12—Molly, 8 and John who is 6.

Youthful and enthusiastic leadership in the Portland Chapter has become almost a tradition and "Andy" is no exception to this very good rule. All best to the "group" in 1974.



**Gerald C. Pomeroy, President
Seattle Chapter
American Institute of Architects**

Seattle, with plus three hundred fifty Corporate members, is undoubtedly the largest Chapter in Symposia territory—which means Mr. Pomeroy will have a busy and challenging year as their “fearless leader.” He is a principal in the Seattle firm of Waldron and Pomeroy, but makes his home on Mercer Island.

He attended Whitworth College in Spokane moving on to the University of Washington where he earned his Bachelor of Architecture degree in 1954—he was that year’s recipient of the Faculty Award for Design and Scholarship. “Gerry” is also a member of Tau Sigma Delta, an architectural honorary fraternity.

A past-president of the Mercer Island Visual Arts League, he has also served as a Lecturer (1964-1970) in the College of Architecture and Urban Planning at Washington University. His firm designed Henry Schmitz Hall, the student services building at U. of W., and some of their current projects include Edmonds Community College (Master Plan as well as the buildings), Mercer Island Covenant Church and a library for Sheldon Jackson College which is located in Sitka, Alaska.

The other officers of the Seattle Chapter serving in 1974 are L. Jane Hastings who will be first vice-president and president-elect; David Wright, second vice-president; James Hickman, third vice president; Gerald van Slyck, secretary; and John Decker, treasurer. Gerald Schlatter will serve as a director and elected delegates to the Washington State Council are Ludwig Duthweiler, Norman Johnson and Paul Hayden Kirk.



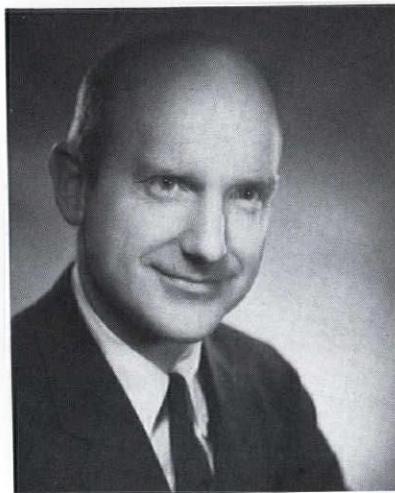
**David R. Hayes, President
Utah Chapter
American Institute of Architects**

Most everyone in the Western Mountain Region knows soft-spoken David Hayes of Salt Lake City who will head the 1974 Host Chapter when the clans gather in Snowbird this autumn. Registered to practice in multi states (Arizona, Utah, Idaho and California), he is a V. P. in the firm of Montmorency, Hayes and Talbot and has long been an active member of the AIA. He has been Secretary, Treasurer and Vice President of the Chapter, served as a member of the national Committee on Design and this year will be his second as the “fearless leader” for “Assist,” Utah’s outstanding Community Design Center.

David was a member of the initial graduating class of the Department of Architecture at Utah University (1952) and has lectured on Design there. He has traveled widely—as a matter of fact, his work background prior to his re-settlement in Utah in 1959 includes offices in Tangiers, Manhattan and Phoenix. He is a Lieutenant Colonel in the Air Force Reserve (Staff Civil Engineer, 5th AMA Augmentation Squadron, Wendover AFB, Utah) and a member of the Reserve Officers Association and the Air Force Association. He also is active in the U.U. Alumni, the Chamber of Commerce and the Salt Lake Art Center. A fellow member of the ink-stained brotherhood, David was Editor of “Utah Architect” for many years, contributing significantly to this excellent design and graphics view of his community. He has been honored for this participation many times.

The Hayes, David and Norwegian wife, Gerny, are the parents of two sons, and time permitting, Architect Hayes enjoys desert riding, roaming back roads and the ghost towns of Nevada and Southern Utah. Not many Editors get to be “fearless leaders,” but David has made the grade! Right on!

THORSON APPOINTED



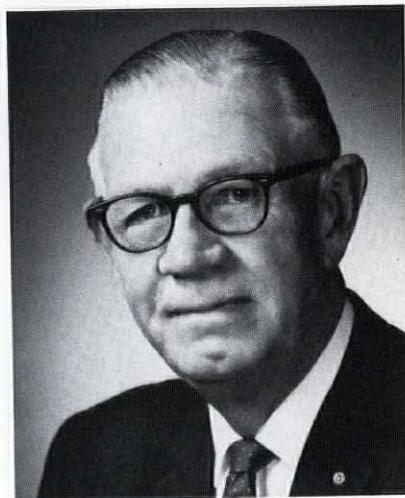
**William Bain, Jr., President
Washington State Council
American Institute of Architects**

Elected to lead the Washington Council in 1974 is Seattle-born Bill Bain, Jr., a Partner-In-Charge of Design for the firm of Naramore, Bain, Brady and Johanson, one of the most talented and versatile architectural groups in the Northwest.

A graduate of Cornell where he was awarded both the York Prize and the Charles Goodwin Sands Medal for Design, Bill has, for many years, been active in professional and civic organizations—most particularly in groups concerned with the quality of the Urban environment. He was president of the Seattle Chapter/AIA in 1969, a member of the Downtown Seattle Development Association and of the Commercial Panel for the American Arbitration Association. He has lectured widely on such subjects as "Design Management for Practicing Architects," "Bank Design: Image and Character," "Design Process Techniques" and "The Future of Residential Architecture" . . . addressing both business organizations and university audiences.

With all the beautiful water in and around his home town, Bill is understandably an enthusiastic sailor—the proud owner of his own boat! He is married and the father of four boys.

During the year ahead, he will be most ably aided and abetted by Vice President Fred L. Creager of Brooks-Hensley-Creager, Architects in Spokane (Fred is a member of our Symposia family) and by Gerald A. Williams of The Richardson Associates, Seattle, as Secretary-Treasurer.



President James Stewart of the Consulting Engineers Council/Colorado announced to members at the Board meeting on 8 January, the appointment of Ed Thorson to succeed the late 'Hak' Kadish as Executive Director of CEC. Ed is certainly no stranger to Colorado's construction community, he was for many years associated with the Portland Cement Association. An engineer himself, he has served the profession in many roles. His wide knowledge of professional challenges and problems as well as his unfailing good humor particularly qualify him for this position.

We are pleased to welcome Ed Thorson in his new job, and look forward to a long and happy association. Colorado's Consulting Engineers Council has a membership of 168 engineers in 114 firms . . . and does a fine job, not only at home - but on the national scene, as well. Congratulations, all around!

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by:

Ray A. Petersburg, Project Architect

*William L. Bredar, P. E., Senior Vice President
Henningson/Durham and Richardson, Denver*

When the New Thornton, Colorado, Water Treatment Plant goes on the line in the summer of 1974, it will be one of the few lime-soda softening plants in the Rocky Mountain area. The 20 Million Gallon/Day plant is designed to treat surface water together with hard ground water from wells along the South Platte River. Treatment will consist of removal of possible tastes and odors, lime-soda softening with coagulation, liquid CO₂ recarbonation, dual media filtration and disinfection.

The building is being constructed by Mead & Mount, of Denver, of poured-in-place concrete, masonry bearing walls, and precast roof trees. It is designed to double its treatment capacity to 40 MGD in an "L" form when water demands so dictate.

The building is approximately 340 feet long with a 30 foot wide control

"spline" running the full length of the building that houses the pipe gallery, control floor, and chemical storage. The circular tanks in the foreground are 65 foot diameter Walker Process solids contact upflow clarifiers which are provided for lime-soda softening and coagulation. These units are designed to allow operation independent of each other. Stabilization of the softened water from the clarifiers will be effected through the addition of a CO₂ solution. Softened water pH, before and after recarbonation, will be continuously and automatically monitored.

Each softening clarifier is followed by two sand-anthracite, dual media filters. Filter backwashing will be accomplished with an air/water system and provisions are included for the use of filter aid polymers. Chlorine for disinfection may be applied at several points throughout the plant.

Pneumatic chemical handling facilities will be provided for selectively charging the lime and soda ash bins. Recarbonation of softened water will be effected through use of liquid CO₂ stored on site, fed with conventional chlorine-type feeders.

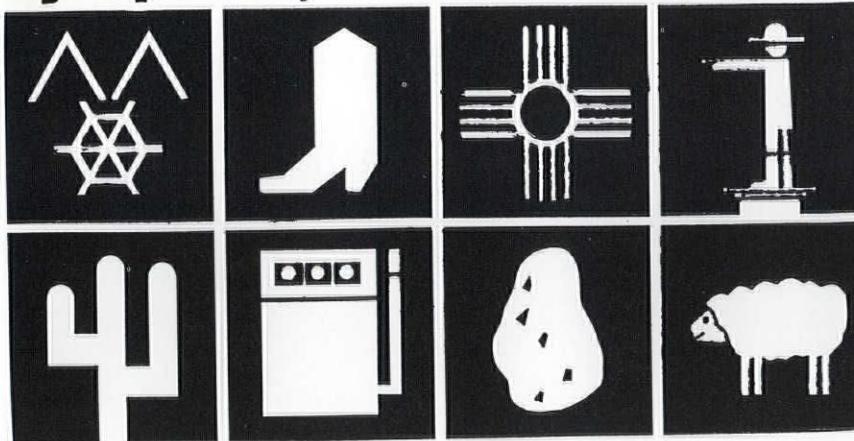
The interior of the building will have bright graphics in addition to a schematic portrayal of the various processes the water goes through before arriving at the homeowner's faucet.

The project was designed by the Denver office of HDR, as general engineering consultants for the Utility Board of the City of Thornton, Colorado.

The design team included Karl D. Henrichsen, P.E. Chief Engineer and Vice President of the firm. Ray A. Petersburg, Project Architect and project manager. Robert D. Catton, P.E. and Ed Roth, P.E. design engineers.

Construction cost is \$4,600,000.

symposia/around the region



arizona

Beard to Head AJCDP

Caron Beard, Senior Landscape Architect at the Arizona Highway Department, has been elected Chairman of the Arizona Joint Council of Design Professions for 1974. Jim Evans of James Evans & Associates, representing the Arizona Consulting Engineers Association (ACEA), was designated Vice Chairman. Caron Beard, president of the Arizona Chapter of the American Society of Landscape Architects, is a graduate of landscape architecture from Oregon State University and has many years of varied experience in the field of landscape architecture.

The Joint Council was organized in 1970 to provide a forum for representatives of all the design professions - to formulate programs of common interest, to raise the standards of services to clients and to promote a better understanding between the client and the professional as to the relative responsibilities of the various components of the design profession. Other organizations represented on the Council are: Arizona Society of Professional Engineers (ASPE); American Institute of Planners (AIP); American Society of Certified Engineering Technicians (ASCET); Structural Engineers Association of Arizona (SEAOA), American Institute of Architects (AIA).

The Wizard of AZ

Good friend and neighbor, Robertson M. (Bob) Fort, executive director of the Sheet Metal and Air Conditioning Trades Industry Program, has sent along a great story on SMACTIP's latest contribution to the Phoenix community. Awarded the Commissioner's Trophy in the annual Fiesta Bowl parade was the float carrying a huge "tin man" from the Wizard of Oz plus four of his story-

book friends. The Wizard will ride again in February in the Parada del Sol in Scottsdale and the Phoenix Jaycee's rodeo parade in March.

The wizard emerged from an artist's sketch of a sheet metal figure. To the staff members of SMACTIP, the figure immediately became "Air Conditioning - Wizard of Arizona." This was used as the theme of the float.

Ken Riemersma, a sheet metal apprentice and husband to the company's administrative assistant, constructed the wizard a week before the parade. It has an air conditioner torso, pipe arms and legs complete with authentic elbow and "knee" joints and even heels, fingers and thumbs. (All of this despite the fact that Ken had practically severed one of his own fingers in a shop accident earlier in that week!)

A sewing machine whirred in the office conference room and the rug was used

as a pressing board as secretary Janet Widaman - "Dorothy" - and Mary Riemersma - "Scarecrow" - completed their costumes. Typist Judy LaVeer was a convincing "Cowardly Lion" in a rented lion suit and head.

Jay Armer, the company's technical assistant, drove the float with Ken Riemersma riding "shot-gun" - armed with a fire extinguisher. The basic float, incidentally, was built at Walker Displays.

New SpecTip Program

"SpecTips", of course, are not new to members of the Phoenix Chapter of the Construction Specifications Institute, but longtime CSI stalwart, Craig Walling has added a new "twist" to this interesting program. Prior to each Chapter membership meeting, Craig will have a special SpecTip meeting in which a particular specification problem will be discussed. The topic and meeting times will be announced beforehand - Craig will have individuals on hand to respond to the specific problem - and anyone else who is interested in working out the problem will be welcomed also.

The first of these sessions was held at the December meeting on "Acoustical and Illuminated Ceilings" . . . at 6:00 p.m., an hour ahead of the usual 7:00 hour set for dinner.

colorado

P. C. Sets Meetings

The Denver Chapter of Producers' Council has a new and exciting format for the annual Table Top Display Meetings held each Spring. Chairman "Sandy" Sandoval has scheduled not one - not two - but five luncheons for Architects, En-



Air Conditioned Group: Cowardly Lion (Judy LaVeer), at left; Scarecrow (Mary Riemersma), center; and Dorothy (Janet Widaman), holding Toto (really Tinker, the Riemersma's dog). Photo: Arizona Republic

gineers and General Contractors in various Colorado locations. In other words, P. C. is taking their information right to the specifier's own backyard. There will be three meetings in the Metro Denver area . . . downtown, south-east and west on February 6, 14, and 21. The Luncheon/Table Top is slated in Colorado Springs on 7 March and in Northern Colorado on the 14th.

Added incentive to attendance is beautiful Judy Brown who is coordinating these affairs - in charge of mailing lists, invites, locations, arrangements, registration - et al. And - there will be a special "bag" of PC Informational Literature presented to each guest as he leaves the meeting.

This is always a fine opportunity for the construction community to see what's going on in the world of new "tools of construction" - so pick your handiest location - and let Judy know you'll be there. Kudos to "Sandy" for saving everybody some gallons during the current crunch.

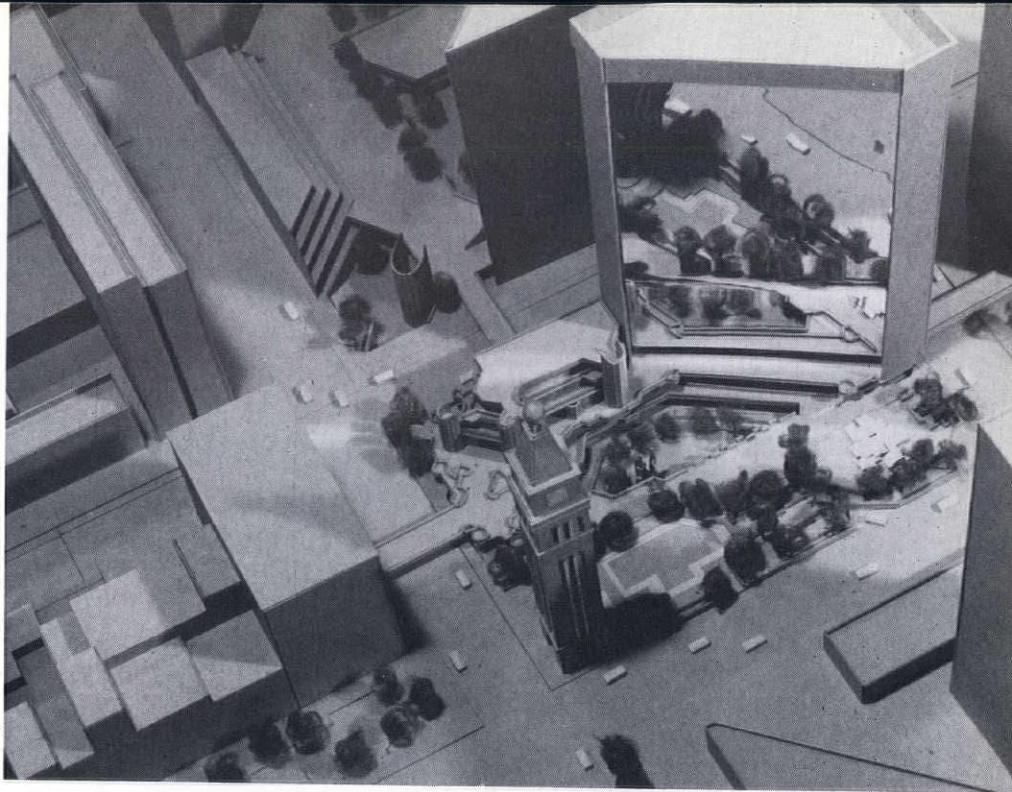
Rockefeller at Mines

David Rockefeller, chairman of the board of directors of the Chase Manhattan Bank, is the featured speaker at the Colorado School of Mines Founders Day Convocation on February 9. This climaxes the three day Centennial celebration which will include two days of conferences on energy and minerals. Scheduled speakers include Prince Saud al Faysal, Saudi Arabia; Sir Charles Court, member of Parliament from Western Australia; Shinpei Omoto, Mitzui Mining and Smelting, Japan; Lord Solly Zuckerman, science advisor to the British government; John Redmond, Shell Oil; Dr. James Boyd, former executive director of the National Commission on Materials Policy; Senator Peter Dominick (R-Colo.) and Congressman Mick McCormack of Washington.

The Colorado School of Mines was founded February 9, 1874 when Territorial Governor Samuel Elbert signed the legislative act establishing the school. The 100th Birthday celebration makes Mines the oldest mineral engineering school in the nation. It is located just west of Denver in Golden, Colorado.

S.R.O. for C.S.I.

President Bob Johnson of the Denver Chapter/CSI reports that they were looking for sky hooks at the 9 January meeting at the Applewood Inn. Approximately two hundred (a record-breaker) members and guests were on



Above—a scale model of Towersquare—the joint venture proposal of Hensel Phelps Construction Company, Greeley and Van Schaack and Company, Denver. The irregular pentagon office tower will have a glass facade on the lower stories to reflect activities in the public park. The 100 foot wide linear park and retention of the historic D & F Tower are part of the criteria for this Skyline development. Architect for the \$30-\$35 million project is Welton Becket and Associates. Final plans and specs are due approximately October 1.

hand to hear John Anderson, AIA, of the ABR Partnership speak on the "Basic Fundamentals of Solar Energy for Building Construction." The ABR firm is currently engaged in the design of the Community College of Denver using solar energy and have been consulting with Bridgers and Paxton, a mechanical engineering firm based in Albuquerque who specialize in such solar systems. (Don Paxton of this firm is President of the Albuquerque CSI Chapter).

John made a fine presentation - slides with narration - and then fielded questions in the period following.

They say you can't teach an old dog new tricks, but there were plus 200 of them who were willing to take a flyer at it this past month. It might be better to say that if there is a challenge around in our part of the world, there are plenty of Westerners in the Construction Community to answer it!

New C. U. Program Funded

Robert C. (Sandy) Sandoval, Executive Director of the Colorado Masonry Institute, has recently announced the joint funding of a CMI/CMCA (Colorado Masonry Contractors Association) program at the University of Colorado

aimed at development of a masonry engineering curriculum and a series of public masonry seminars. Institute Technical Director, Robert Helfrich, P. E. supervised this new program which will support a graduate student in the Colorado University Department of Civil and Environmental Engineering for a 12-month period and provide additional funds for laboratory facilities and educational support.

First recipient of the CMI/CMCA grant is Don Frey working toward his M.S. degree at C. U. While completing his structural engineering studies, Frey will conduct research into the structural characteristics of masonry with respect to various parameters. Jim Noland, P.E., a doctoral candidate will serve as coordinator of research and educational program between the University and CMI/CMCA, and the new program will be under the direction of Dr. Chuan C. Feng, Professor of Civil and Environmental Engineering.

In announcing the grant, "Sandy" said, "Colorado Masonry Institute and Colorado Mason Contractors Association are pleased to fund this new program at University of Colorado. We believe the program will be beneficial both to the

University as it expands its technological curriculum, and to the masonry industry, as such a program will prove most useful in dissemination of masonry information to students and to practicing engineers."

Idaho

Engineers Set Program

Although Idaho's Engineers (I.S.P.E. and C.E./I) will have concluded their Annual meeting - we did have some information at press time which we thought was most interesting. Theme of this year's Convention - "Engineering - Our Greatest Energy Resource" drew a most impressive array of speakers to this gathering on January 24-26 in Boise. For instance, Idaho's Lieutenant Governor Jack Murphy spoke on the state energy perspective on Friday; Dr. Wilson M. Laird presented an overview of 1974 including the necessary steps for self reliance in energy supplies and there will be a look into future energy sources as well.

This is a most important meeting for members of the engineering profession in Idaho and we will happily present a more definitive report in our March issue.

montana

Exhibit at Headquarters

On display at the Octagon - that's "headquarters" for the American Institute of Architects, - the exhibition "Ghost Towns of Montana". The fine presentation is sponsored by the School of Architecture at Montana State University in Bozeman with the support of the En-

dowment and Research Foundation. The exhibit began on 7 January and will continue through 17 February. Photography is by M.S.U. Professor John N. DeHaas, Jr., with display design and execution by former Professor James C. Rader and student David Thane, class of 1971. Nice to know the brethren on the Potomac are getting a look at "Big Sky" country.

MSU/Social Notes

As always, Montana's AIA newsletter - the famed "JPB" turns out a goodly number of "Quotables". It seems no matter who sits in the Editor's chair . . . the same, easy and informal style prevails, and it's delightful. (Current Ed is Jim Gough) The Society column in the latest issue is the work of Ifan Payne, Associate Professor at M.S.U., and he notes that after the non-joining, non-socializing '60's, the annual school dinner dance was revived on January 12. They tagged it the "Pukka Do" and it was indeed a "smart affair." Ifan also notes:—

"In the same spirit of socializing and lunacy, the Spring AIA Convention will see the first student-faculty cricket game. Bored with the same old kite-fly year after year (Hugo doubtless remembers the first one in 1898, or was it '97?) the lunatic fringe of the faculty has imported this British game — which somewhat resembles baseball — and training camp will open shortly. Slow-mo films have already been studied and apathy and incredulity with the whole affair has reached fever pitch." (Dear Professor Payne: Maybe I've forgotten just how cricket is played, but are slow-mo films really necessary? Ed.)

nevada

Crisis Crunch

(This article on Construction Cooperation at its best is from Bob Simpson, AIA, our Man in Reno, to whom - much thanks!)

On January 3 a drama unfolded in one of the banquet rooms of the Pioneer Inn in Reno that should instill public confidence in the ability and willingness of the Northern Nevada Construction Industry to deal with crises. The Northern Nevada AGC sponsored an emergency joint meeting with engineers and architects in the area in response to sudden inflationary increases in the cost of raw liquid asphalt. The meeting was well attended and the discussion was quite lively. The asphalt price increase raised a number of obvious questions. The immediate one, of course, was that of protecting the paving contractor with work under contract which cannot be completed until the weather permits site work. It was the consensus of the group that negotiating the best possible compromise additional cost with Owners is about the best avenue open to the affected Contractors. The Architects present agreed to use their influence with Owners to point out the injustice of the situation. The agency contract Officers present agreed that some kind of price adjustment was justified but were apprehensive as to their ability to fund those adjustments.

The crisis which prompted the meeting charged the atmosphere with an air of impending doom. A general discussion revealed that all building materials are subject to varying degrees of unpre-

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dictable price increases, uncertain deliveries and potential shortages. The AGC requested that architects explore ways and means of including specification provisions which would protect bidding contractors from unexpected price increases. The Architects reminded the contractors that clients operate on fixed budgets and the kind of flexibility being requested would be very difficult to achieve.

Harry Lemon, president of the Reno AGC Chapter, suggested that the contractors, architects and engineers continue to meet together once a month to keep a dialogue going and pursue joint concerns in some depth. The suggestion met with general assent.

Meanwhile, the joint NSPE and AIA Committee for the Study of Energy Conservation is actively compiling recommendations for the building industry.

new mexico

Odds and Ends

No great or startling developments in the Land of Enchantment, but a brief review of what's going on is at hand from Board Members Joe Boehning, AIA and Dennis Roberts, AGC.

Legislature: Joe reports, "The N. M. Legislature (1974 version) got underway January 14 for 30 days. One good thing about the short session is that they don't have time to do too much damage. To my knowledge, the only things that will come up have to do with finances and energy with the first item on the agenda the 55 MPH speed limit."

Zoo: Sez Dennis - "The Childern's Zoo is progressing well. This project is one of the most outstanding public relations projects the construction industry has ever had in New Mexico. It has also brought the industry a little closer together as architects, contractors, engineers, suppliers and labor forces have worked side by side to do something positive for the city of Albuquerque." "On the subject of unity, the Tri-Association Christmas party was a huge success for the second consecutive year. Over 600 members of the AGC, Mechanical Contractors Association and the National Electrical Contractors turned out for the event on 14 December at the Hilton Inn."

NMS Officers: Thought we had included all the "fearless" AIA'ers for the Land of Enchantment, but a lightning review reveals - we missed the nine good men and true who will aid and abet New Mexico Society President, John Conran (another editor who made good). Vice President for '74 is Richard Waggoner and Bob Campbell will be Secretary-Treasurer. The Directors are Jess Holmes, Bill Waters, Ken Clark, Ted Luna, Charles Nolan, Kern Smith and

Immediate past - Van Dorn Hooker. A great group!

oregon

CSI Grand National (And how to get there!)

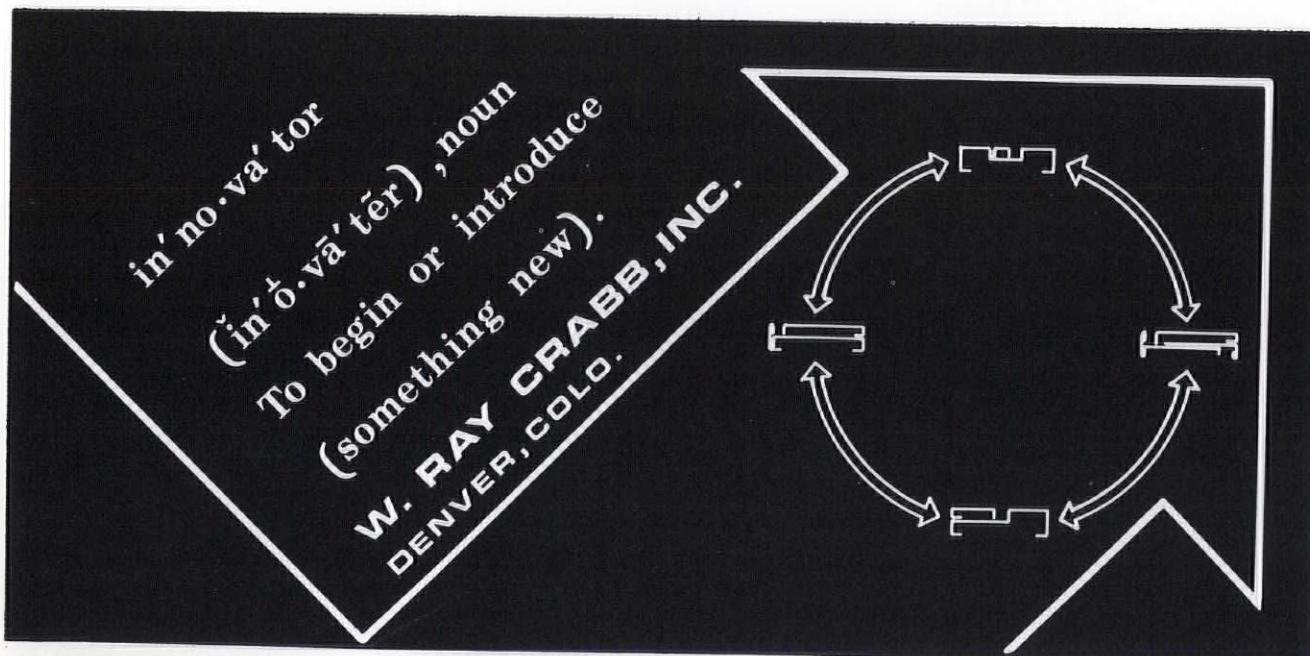
Portland's CSI Predicator reports that preparations for attendance at the National Convention on June 24-26 are under way everywhere in the U.S. Both D. C. Metro and Nashville Chapters are planning air tours; Western Air Lines is busy contacting Chapters in the cities they serve and Salt Lake City is planning a bus tour which will take CSI'ers through Boise and a return jaunt to Expo '74 in Spokane. The white hats distributed by the Host Chapter at the 1973 Institute Convention are in evidence at a lot of meetings. Jim Butler, FCSI, sported his at the Recent Region II Conference in San Diego. Jim is Region II Director and candidate for Institute president.

Predicator further reports that Dick Ehmann, FCSI, Committee Co-chairman, and a certified (by editor kilbourn) "train nut" said, before he left on vacation to point out that "CHOO - CHOO'S COME HERE TOO!" Those loud background cheers are from other CTN members - Tom Keeton, FCSI and yours truly!

Ahead of the Game!

Paul Edlund, our Man in Eugene, reports on the energy picture in Oregon . . .

Oregon's Governor, Tom McCall, seems to be a step ahead of everyone when it comes to energy conservation. Outdoor advertising has been "lights out" for



the past two months and highway speeds have been limited to 55 m.p.h. November's unending 20 inch rainfall (6 inches is normal) has "eased" the electrical power shortage and therefore (after some political pressure by the tourist and sign industries) McCall rescinded the lighting ban.

Oregon's new State-wide Building Code will include energy conserving requirements which are currently being considered by a McCall-appointed commission chaired by Portland Architect Will Martin. Others on the Commission are George Crandall (Skidmore, Owings, and Merrill-Portland), Tom Moreland (Moreland / Unruh / Smith - Eugene), Dr. William Parker (Reed College Physicist), and Perry Gujral (Portland Mechanical Engineer). To complete their work on time, the Committee has met weekly since the first of November.

The State Building Code Committee, by the way, is being chaired by Portland Architect, John Henslee (Broome, Selig, Oringdulph and Partners).

Governor McCall is still trail-blazing with a modified gas-rationing plan now in effect in Oregon . . . at least, the lines seem to be shorter probably because the alternate days for purchase have eased some "panic" buying.

utah

Who's Helping?

A great crew has been elected by the Utah Chapter/AIA to give Fearless Leader Hayes the proper "assist" in making 1974 a banner year. President-Elect is Boyd A. Blackner . . . he will also serve as General Chairman for the WMR Conference this fall . . . (he's a Symposia team-member, too!) the Secretary is Burtch W. Beall, Jr. and Jerrold Anderson is this year's treasurer. Elected to the two-year Director's job is Leo C. Knell and Helen L. McIntyre will serve as one-year Director. Of course, Ralph Evans sits on the Board as the Immediate Past-President.

We are looking forward to Boyd's first official "communiqué" following the WMR meeting at Grassroots.

washington

New Firm Members

The Richardson Associates, Architects/Engineers and Planners have announced four appointments on their staff. They are John Clive Armitstead and Jerome Ernst as Associates and the advance-

ment of Edward K. McCagg II and Ludwig E. Duthweiler from Associate to Senior Associates. John Armitstead is a graduate of the Hammersmith School of Architecture in London and joined Richardson Associates in 1968 following responsible positions in both Canada and England. Mr. Ernst - planner and urban designer - has been with the firm since 1970. He holds a Bachelor Degree in Architecture and a Master of Urban Planning from the University of Washington in addition to advanced work at the University of California at Berkeley in Airport Planning and Design.

McCagg, now a Senior Associate, joined Richardson in 1964 and holds both Bachelor's and Master's degrees from Harvard University. As assistant project architect for the newly completed Sea-Tac International Airport, Mr. McCagg was directly responsible for the management and coordination of all aspects of the work - he has been designated in charge of all airport work for Richardson which includes projects throughout the United States and abroad.

Ludwig Duthweiler is a graduate of the University of Washington and has been with the firm since 1963. Currently, he is project director of a planning and environmental study in the Bothell area for the Washington State Highway Department and project architect of a major building for the Air Force in Alaska. A corporate member of the AIA, he will serve as a delegate to the State Council in 1974.

Data Bank Established

You will remember reading Robert Fehlberg's most interesting article in last month's Symposia on the Man Hour Data Bank being studied by AIA members in the Northwest and California Regions. The January Newsletter of the Washington State Council reports that "all systems are go" on this undertaking.

Seed money to establish the Data Bank has been provided by the California Council in its 1974 budget and other state councils are meeting in January to consider raising funds for a proportionate share of the effort.

"Basing the architect's compensation on man hours of effort is the concept of the Man Hour Data Bank," members of the task force reported—"Man hours are the common denominator for eventual payment to the architect, whatever the method of compensation used."

Plans are underway to incorporate the Man Hour Data Bank as a non-profit

organization, with its directors drawn from the initial AIA Councils involved. Studies are being made as to appropriate location of headquarters of MHDB and types of retrieval systems to be used.

Final determination of such details will be made after completion and analysis of a market survey to start this month with AIA members in Oregon, California, Washington and Hawaii.



Jerald Bell

New Landscape Partnership

Name of the newly formed firm of Architects/Landscape Architects/Site Planners/Environmentalists up Seattle way is Glen Hunt. Jerald Bell and Associates. Mr. Hunt is no stranger to our pages as he is a most active member of the American Institute of Landscape Architects and presently serving as co-chairman of the AILA Environmental Quality Committee. Mr. Bell has been associated with Glen for a dozen years - he is a corporate member of the Seattle AIA and incoming president of the Cascade Chapter/AILA. A resident of the Pacific Northwest for more than twenty years, Mr. Bell is a graduate from the University of Washington with a B.Arch. degree and is licensed to practice both architecture and landscape architecture.

Professionally, Mr. Bell's professional life has included many facets of the design field including building design and orientation, site planning, vehicular and pedestrian circulation, site grading and draining, landscape planning for many and various projects, both public and private, pool and stream design as well as many architectural features such as gazebos, fountains and special lighting.

The new Hunt, Bell and Associates offices are at 559 N. E. 80th Street in Seattle.

award winners . . . the engineers/the new building

about the cover

It is appropriate that the new home for the firm of Ketchum, Konkel, Barrett, Nickel and Austin, Denver-based Consulting Engineers, merit a citation from "Progressive Architecture" for its architectural design. This striking new facility is quite in keeping for the recipient of last year's "Grand Conceptor" award, professional accolade voted annually by the Consulting Engineers Council/US. The new offices are built around a three-story atrium/reception area which houses all sizes and types of green potted plants... and keyed to current design philosophies of function and pleasant livability at budget construction prices.

It is almost unheard of today to build a respectable office building for under \$20 per square foot... but since consulting engineers feel their job is to produce a better product for less money, the KKBNA goal was to utilize the best techniques available to achieve an outstanding facility at very modest cost.

The construction system of site-cast, stack-cast concrete walls and floors was selected because of the flexibility, economy and speed of erection. The atrium is enclosed by the basic functional work units composed of two 22' x 96', 3-story block buildings which lend themselves to the requirements of a functional, efficient engineering office. Entrances, utility areas, walkways, reception are all in the atrium area - essentially a 30' wide, 70' long, 3-story clear bay greenhouse with three huge skylights overhead. Functionally simple, partially exposed mechanical and electrical distribution systems are featured in brightly colored ductwork capping off the effort toward elegance and economy through simplicity. Around the exterior of the building, a network of wire cables will support vines to compliment the aesthetic appeal of the structure both

inside and out and serve as sun control.

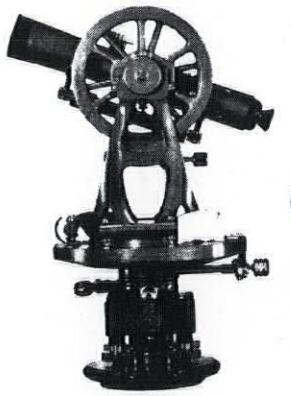
The design team for the KKBNA Building were Muchow Associates, Design Architects - George Hoover in Charge; Production by Adams Associates - Stan Adams in charge; Electrical Engineering by Swanson-Rink; Mechanical Engineering by McFall and Konkel; General Contractor -

Dorn Brothers and, of course, KKBNA did the structural engineering.

It is a delightful building - and no one is appreciating it more than the half dozen young engineers who spent the past six months in the slightly over-crowded, former headquarters building on Kalamath street in a trailer parked in the back parking lot. To them - it is Elysium.

Photography:—Bill O'Neal, KKBNA





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the last word:

Maybe you didn't know that Grassroots/West in 1974 was held in "Sandy Ego". At least, Boyd Blackner says that's the way the six year old at his house spells it.

Colorado Governor John Vanderhoof was one of the principal speakers at the Annual Meeting of Club 20 held February 1 and 2 at the Ramada Inn in Grand Junction.

Professor and Director Ilmar Reinvald
of the School of Architecture,
Montana State University, is the new
Faculty Advisor for the MSU Karate
Club. Instructor is Black-Belted
George Kaneshiro, 4th year
Architecture student. A new skill for
the Architectural Profession! Well, a
black belted Job Captain wouldn't
be all bad!

It will be the seventh time around for the Annual SIR Awards in Nevada which will be presented at their Annual Meeting on February 16th. More than 30 AGC Chapters across the country will follow Nevada's lead in making SIR Awards this year.

Ralph W. (Bill) Becker of the Denver-based Technical Service Company has announced appointment of Vernon S. Winkel as Senior Vice President; W. A. Woolford as Vice President and John E. Bunts as Engineering Officer. Congratulations, gentlemen!

Installed - Thomas P. Ryan as 1974 "fearless leader" for the Greater Albuquerque Chamber of Commerce. Tom is a vice-president of Lembke Construction and was president of the New Mexico Building Branch/AGC in 1971. Some kinda leader!

"A Bigger Scale" - a new 10-minute color film which shows the growing use of Masonry panel systems is available (for free) for showing at A/E firms and AIA Chapter meetings. Contact Neal English, International Masonry Institute, 823 15th Street, N. W. - Washington, D.C. 20005. Tell 'em Symposia sent you.

While the rest of us were putting up with Winter and assorted woes, our favorite "Old Indian" Bob Wilmsen and wife, Winnie were living it up! Six weeks in Spain, Italy and Greece - great work if you can get it!

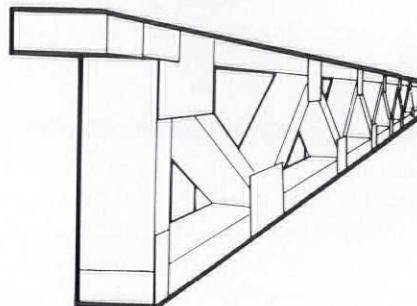
Howard C. Dutzi and Associates, Consulting Engineers in Colorado Springs have a new address - 619 North Cascade Avenue, C. Springs, 80903. Via Ma Bell, the number is the same - 303/633-7784.

New format! "Tucson Topics" - newsletter for the Tucson Chapter/CSI has a handsome "new look". George McFerron is the Editor-in-Chief and merits a laurel for this one!

The Rocky Mountain Section of the Illuminating Engineering Society is planning a joint-meeting with AIA/NAID Interior Designers in February. Kathy Caldwell will be in charge.

Volunteers F. J. (Mac) MacDonald, Executive V. P. for the American Institute of Landscape Architects . . . "I'll try to give you good coverage on our February Convention in San Francisco . . . some terrific shots of the backs of people's heads, dimly-lighted corners with groups, blurred exhibits and the usual." We'll look forward to this view of AILA's 17th Annual in an upcoming.

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Vern Purdy has been named Executive V. P. of the Colorado Association for Housing and Building, the new state-wide association giving Colorado home-builders a strong, unified voice in governmental affairs.

We are pleased to report that CSI Portland Prez, Verne Brice is recuperating nicely after serious surgery. Keep it up, Verne!

Architect Bob Fielden, WMR Regional Director, is involved with the Desert Research Institute in the design of Nevada's first major solar powered building. "Fearless" Fielden is V.P. for Jack Miller and Associates, Architects/Engineers in Las Vegas.

A Wood Design Seminar was held January 31 in Denver . . . co-sponsored by WOOD, Inc. and the American Institute of Timber Construction.

Members of the Phoenix Chapter/CSI will receive some special information on Security Systems at their February 20th Chapter meeting. See "Around the Region" for info on their new Spectip program.

The "World's Largest Architectural Party" was rescheduled from 14 December to 4 January, but we're sure Seattle AIA members enjoyed it every bit as much! It was held at the Benaroya Design Center.



1974 Public Affairs Conference

The seventh A/E Public Affairs Conference scheduled for March 18-19 in Washington, D.C., may well be one of the most important in all the years this meeting has been held. Under the joint sponsorship of the American Consulting Engineers Council, the American Institute of Architects and the American Society of Civil Engineers, the conference provides members of the A/E sector with a prime opportunity to contact legislators at the Federal level.

Among the key issues which will be discussed are professional ethics, the A/E procurement processes, pension reform—and, of course, energy conservation. The latter topic, a most significant one for the Industry, is of prime importance if premature and ill-conceived legislation at the Federal level is to be circumvented.

The first day of the conference is traditionally devoted to a series of briefings and seminars by Congressional leaders directly involved in legislation affecting the design professions. At the evening reception, conference participants are given an opportunity to meet and talk with members of Congress and with top administrators on a more informal and friendly basis. The second day is devoted to visits by the individual architects and engineers to their senators and representatives.

Return your registration promptly when it is received in your office—the 1974 Public Affairs Conference is a "must" for concerned professionals.



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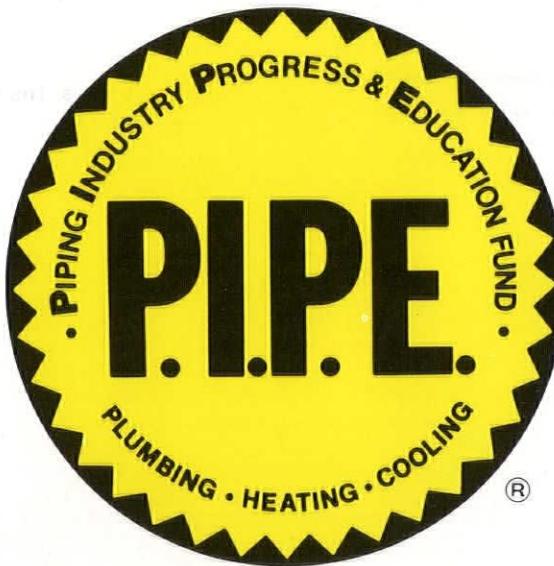
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